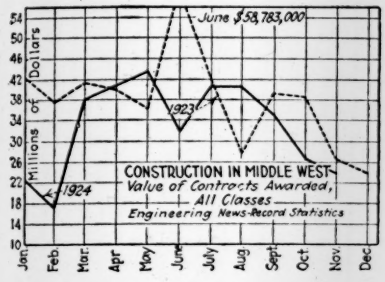
CONSTRUCTION NEWS

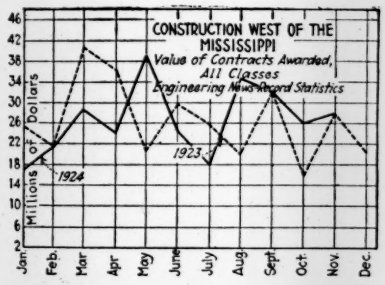
Engineering News-Record, December 18, 1924

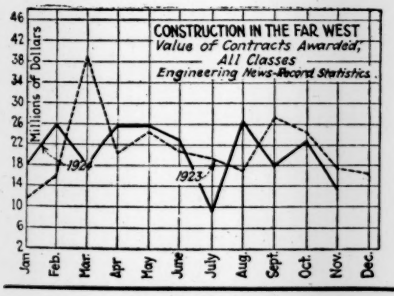
The Construction Barometer

Water-works and Large Public Buildings Most Active—South Leads in Sewers and Excavating Work—Slow in Far West

ACTIVITY is particularly noticeable in contract letting for water-works and large public buildings of the commercial type. This has been true since the first of the current month. The gain in water-works awards is confined principally to the sixteen Northeastern states, while that for buildings is spread over New England, the South and the states immediately west of the Mississippi. Contract letting is on the increase in the following classifications and places: Sewers and excavations, in the South; streets and roads, in New England and the South; private commercial buildings, in the Mid-West and the Middle Atlantic States; Federal Government work in New England and the Middle West. Reports to *E. N.-R.* on building permits issued, show a falling off compared with this time last year, in New York, St. Louis, Los Angeles, Seattle and Tacoma.







Engineering News-Record Statistics

Minimum on waterworks and excavations $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Nov. 27	$8,789,000	$10,435,000	$19,224,000
Dec. 4	10,602,000	20,190,000	30,792,000
Dec. 11	7,782,000	13,315,000	21,097,000
3 Weeks	$27,173,000	$43,940,000	$71,113,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

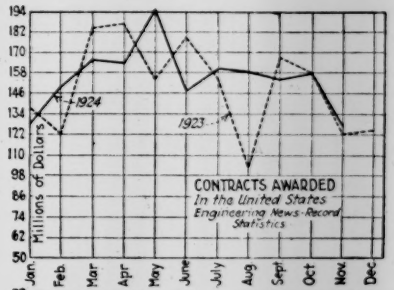
Week Ended	Commercial Public No.	Commercial Public Thousand	Commercial Private No.	Commercial Private Thousand	Industrial No.	Industrial Thousand
Nov. 27	11	$3,823	29	$7,977	21	$2,330
Dec. 4	16	3,682	34	11,004	28	5,024
Dec. 11	8	2,443	24	8,285	19	1,560
3 Weeks	35	$9,948	87	$27,266	68	$8,914

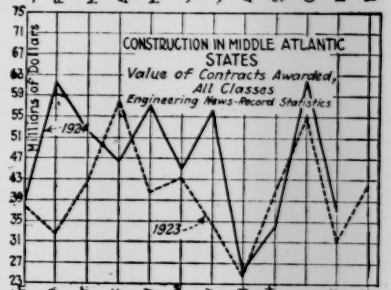
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

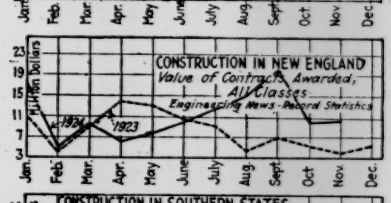
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Nov. 27	17	32	39	28	140
Dec. 4	28	40	50	22	150
Dec. 11	25	34	44	19	144

PINE TIMBERS HIGHER IN NEW YORK

	Quoted on Dec. 18 at	Last Price Change Was	On
Structurals, Pittsburgh, 100 lb.	$2.00 @2.10	1.85 @2.10	Dec. 4
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M. ft.	58.00	55.00	Dec. 11
Fir, San Fran., M. ft.	29.00	31.00	Oct. 30
Common labor, hr.	.56¼	.56	Nov. 27







Million Dollars
1924
1923
CONSTRUCTION IN SOUTHERN STATES
Value of Contracts Awarded, All Classes,
Engineering News-Record Statistics
Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

Waterworks

PROPOSED WORK

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., withdrew bids which were to be opened Dec. 3, mains in 18th, 19th and Parkville Aves., etc. Will readvertise.

Fla., Deland—See "Streets and Roads."

La., Arabi—St. Bernard Parish plans 31,450 ft. mains. $88,000. W. F. Roy, chn. Publicity Com.

La., Cottonport—Plans expending $30,000 for waterworks and light plant. J. S. Gaudeih, mayor.

La., Eunie — Plans expending $25,000 for waterworks and light plant. S. Wyble, mayor.

La., New Orleans—Sewerage & Water Bd., Sewerage and Waterworks Bldg., takes bids in 2 months, for 1,400 g.p.m. boiler feed water pump, steam turbine driven complete on base plate, 200 g.p.m. boiler feed pump, 2,800 g.p.m. centrifugal pump. A. G. Moffatt, secy. and treas.

Tenn., Lookout Mountain—Making surveys mains for fire protection, incl. fire hydrants, etc. $50,000-$60,000. Work will probably be done by day labor. J. H. Wheelock, comr. Noted Dec. 4.

Wis., Milwaukee—Making plans 12 and 20 in. c.i. mains in 8 blocks various streets. To exceed $15,000. J. Schwada, City Hall, engr.

Wis., Milwaukee—Making plans 5,500 lin. ft. 54 in. c.i. high pressure main in Burleigh St. $300,000. J. Schwada, City Hall, engr.

Ia., Glenwood—Election Dec. 29 $20,000 bonds for either 300,000 gal. capacity filtration plant, $27,000, or deep well supply, pump house and tiling, $20,500. B. N. Maxwell, city clk.

Ia., Woodward—Plans election $16,000 bonds, improving waterworks. H. R. Chamberlain, city clk.

Kan., Cuba—Takes bids in January, new waterworks, incl. pumping equipment, tank on tower, distribution system, etc. $38,000 bonds voted. C. A. Haskins, 517 Finance Bldg., Kansas City, Mo., engr. Noted Dec. 11.

Kan., McDonald—Takes bids in January, for waterworks and distribution system. $23,000 bonds voted. Henningson Eng. Co., Natl. Bldg., Omaha, Neb., engrs.

Kan., Quenemo—Defeated $30,000 bonds, $30,000 improving waterworks and sewers. C. A. Haskins, 517 Finance Bldg., Kansas City, Mo., engrs. Noted Oct. 9.

Neb., Dubois—Defeated bonds for waterworks and distribution system. Hennington Eng. Co., 12th St., Omaha, engrs. Noted Aug. 14.

Waterworks (Continued)

Mo., Appleton City—Voted $53,000 bonds, 2 deep wells, tank on tower, pumping equipment, several miles, 2, 4, 6 and 8 in. pipe, 30 fire hydrants, etc. Burns & McDonnell Co., 402 Interstate Bldg., Kansas City, engrs.

Mo., Fredericktown—Takes bids in January waterworks plant, tank on tower, pumps and distribution mains, etc. $112,000. C. Haskins, 517 Finance Bldg., Kansas City, engr. Noted Dec. 11.

Mo., Lees Summit—Defeated $61,000 bonds waterworks and distribution system. Noted Nov. 20.

Tex., Comanche—Election Jan. 6, $70,000 bonds waterworks. J. R. Eaves, mayor. Engineer not announced.

Okla., Quinton—Election Jan. 9, $16,000 bonds for new rapid sand water purification plant, elevated tank, 150 g.p.m. triplex pump, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Nov. 20.

Okla., Wetumka—Takes bids after Dec. 30, waterworks improvements. $52,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Nov. 13.

Calif., Pomona — Making estimates municipal water system. To exceed $25,000. F. C. Froehde, city engr.

Que., Sherbrooke—Plans new mains in various streets. $33,000. T. Tremblay, city engr.

Ont., Dixie—Toronto Twp., J. R. Kennedy, clk., making plans 4 mi. 4.6 and 8 in. c.i. mains, etc., in various streets. $45,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Ont., Sudbury—Plans brick filtration plant, pumps, filters, etc. $30,000. F. C. Lane, city engr.

BIDS DESIRED

Mass., Boston — Jan. 6, by Pub. Wks. Dept., City Hall, electrical equipment for 1 and 2 Pumping Units, Calf Pasture Pumping Station. $150,000. J. A. Rourke, comr.

Mass., Boston—Dec. 29, by Supply Dept., City Hall, 1,300 tons 48 in. Class B c.i. pipe, and 160 tons special castings, to Pub. Wks. Dept., Water Serv. F. P. Rock, supt.

N. Y., Buffalo—Dec. 22, by Comn. Pub. Wks., 2 motor operated centrifugal drainage pumps with structural steel framework. G. C. Andrews, Col. Ward Pumping Station, engr.

N. Y., Long Island City—Dec. 22, by N. J. Hayes, comr. Water Supply, Gas & Electricity, New York City, mains in Laurel Hill Blvd., Stanley, Bartholdi and Lafayette Places, 25th, 46th, Trains Meadow, and 45th Rds., Euclid, Irving, Lewis, Pleasant View, Clinton, Lamartine, 37th, 47th, Hyatt, Lewis, Prospect, Trimble, Mt. Olivet, Otis, Ridgewood and 8th Aves., Bliss, Koyler, Occident, 87th, 89th, Clark, 124th, 204th, 206th, 207th, 208th, 248th, 251st, Hune, Radcliffe, Lafayette, Lent, Van Dyck, Waldron, 25th, 51st, 54th, Gwyder, Sybilla, Van Twiller, 193rd, 202nd, 210th and 222nd Sts., here.

N. Y., New York — Dec. 23, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Garrett Pl., Country Club Rd., Barnes, Barker, Bissel, Bruner, Fenton, Harper, Jerome, Matthews, Shiefflin, Seton and East Van Cortland Aves., Lester, Penfield and East 225th Sts.

O., Cuyahoga Falls — See "Streets and Roads."

Wis., Madison—Dec. 26, at office H. C. Buser, city clk., 18,222 lin.ft. 30 in. c.i. mains; adv. E. N.-R. Dec. 18.

Mo., St. Louis — Jan. 13, by Bd. Pub. Serv., 208 City Hall, steel pressure conduit from here to Howard Bend. G. H. Oetting, supply comr.; adv. E. N.-R. Dec. 18.

Calif., Compton—Dec. 30, by A. Herskind, clk., Compton Union School Dist., one 30 hp. vertical motor, strainer, fish trap, etc., one 25,000 gal. hemispherical bottom steel tank on 50 ft. tower with equipment, and one 500 gal. centrifugal pump, c.i. pipe and fittings.

BIDS RECEIVED

Md., Baltimore—Mayor and City Council, City Hall, valves and hydrants for Water Dept., from A. P. Smith Mfg. Co., Norman St., East Orange, N. J., $150,823. Noted Dec. 4.

Ky., Newport—City Comrs., Nov. 29, new filtration plant at city reservoirs at Ft. Thomas, from C. T. McFarlan, Kansas City, $109,800. Engrs. est. $100,000. Noted Nov. 27.

O., Cleveland—For (a) cast iron or (b) steel mains in (1) Ridge Rd. (2) Pearl Rd. (3) West Side High Service Main, Sect. 3, from Joseph, Kalill & Jackson, 671 Erie Bldg., (a1) $116,140; from D. Pfahl, Berea and Fischer Rds., (a1) $116,140 (b1) $110,693 (a2) $67,748; from Graham & Henderson, 212 Engineers Bldg., (b3) $91,711; from Joseph Co., Prospect-Fourth Bldg., (a3) $97,486. Noted Nov. 20.

O., Cleveland—Cuyahoga Co., 7,006 ft. 6 and 8 in. c.i. mains in Impvt. 68, from Joseph Co., Prospect-Fourth Bldg., $34,069; 3,200 ft. 6- to 12-in. c.i. mains in Impvt. 65, from Yahya Bros., 3196 West 25th St., $25,766. Noted Nov. 27.

Ont., Bridgeburg—H. G. Patriarche, town clk., constructing 250,000 gal. steel elevated tank and concrete tank foundation, from Horton Steel Wks. Ltd., Bridgeburg, $19,400 and $1,800 respectively; waterworks intake and well from F. F. Fry, 43 Scott St., Toronto, $3,037 or cost plus 20%.

CONTRACTS AWARDED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Rockaway Beach Blvd., to Riverdale Waterworks, 355 East 113th St., New York, $217,900. Noted Dec. 11.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Berkley, Beach and Betts Aves., to Knight & DeMicco, Inc., 448 East Tremont Ave., $29,980. Noted Dec. 11.

O., Cincinnati—Furnishing and delivering 1,450 tons 6- to 20-in. c.i. pipe and 15 tons 8- to 16-in. special castings for water distribution system in North Bend Rd., to U. S. Cast Iron Pipe & Fdry. Co., Addyston, $67,786. Noted Dec. 11.

O., Cleveland—Cuyahoga Co., 3,000 ft. 6 and 8 in. c.i. mains in Impvt. 8, to Gantose Constr. Co., Columbia Bldg., $20,701.

O., Cleveland — Cleveland Water Dept., furnishing filter sand for Baldwin Filtration Plant, Contr. 52, sand to Cleveland Builders Supply Co., Leader-News Bldg., Main St.; and gravel, to Ohio Coal & Supply Co., Davis and Farley Bldg., Main St. Noted Sept. 18.

Ill., Jonesboro—Waterworks system, incl. pumping equipment, mains, etc., general contract to Merkle Contg. Co., 100 Davidson Bldg., Kansas City, Mo., $35,230; tank on tower, to Pittsburgh-Des Moines Co., Des Moines, Ia., $4,450. Noted Nov. 27.

Wis., Fond du Lac — J. Breister, supt. Water Dept., foundation for 40 x 157 ft. pumping station, to J. Rasmussen & Sons Co., foot of 7th St., Oshkosh, $6,490. Noted Nov. 27.

Tex., Irving—Waterworks improvements, portion, to W. G. Cullom, Central Bank Bldg., Dallas, $14,460; and portion to be done by day labor under supervision of Kotch & Fowler, engrs., Central Bank Bldg., Dallas. Engrs. est. $25,000. Noted Oct. 23.

Okla., Clinton — Water extensions, incl. elevated tank, mains, valves, hydrants, pumps, dam and pump house, to Allied Constr. Co., Nebraska Bank Bldg., Omaha, Neb., $74,931. Engrs. est. $80,000. Noted Nov. 27.

Colo., Denver—Bd. Water Comrs. of City and Denver Co., 1509 Cleveland Pl., 54 and 48 in. steel pipes, Conduit 12, 1st and 2nd extensions, to Thompson Mfg. Co., 3001 Larimer St., $294,063. Noted Oct. 30.

Calif., Hawthorne — Installing riveted sheet steel mains in Burleigh Dist., to D. M. Stanley, Genl. Del., Hawthorne, $16,287.

Sewers

PROPOSED WORK

Fla., Deland—See "Streets and Roads."

Tenn., Nashville — See "Streets and Roads."

Ia., Correctionville—Plans sanitary sewers in various streets. $25,000. J. L. Dubois, city clk.

Ia., Iowa City—Plans to issue $29,000 bonds for sewers. G. J. Dohrer, city clk.

Kan., Quenomo—See "Waterworks."

Mo., Lees Summit—Defeated $64,000 bonds sanitary sewers. Noted Nov. 20.

Mo., Richmond Heights — Takes bids about Jan. 7, sewers in Sewer Dist. B, 420 ft. 6 in., 5,640 ft. 8 in., 1,530 ft. 10 in., 4,365 ft. 12 in., 900 ft. 15 in., 1,890 ft. 18 in., 60 ft. 21 in., 425 ft. 27 in., 1,010 ft. 30 in., 360 ft. 33 in., 281 ft. 45 in., 488 ft. 54 in. and 185 ft. 57 in. pipe, 49 manholes, 44 trapped inlets, 107 catchbasins, etc. $70,000. Pitzman Eng. & Survey Co., 615 Chestnut St., St. Louis, engrs.

Tex., Livingston — Voted $40,000 bonds sanitary sewers and disposal plant. W. D. Willis, city secy. Engineer not selected. Noted Dec. 4.

Tex., Waco—Making revised plans and soon takes new bids sewage disposal plant. $350,000 available. Terrell Bartlett Engineers, 610-12 Calcasieu Bldg., San Antonio, engrs. Noted Aug. 26.

Okla., Davis—Made preliminary plans new sewage disposal plant. $30,000. Engineer not selected. J. C. Kelley, mayor.

Okla., Quinton—Election Jan. 9, $47,000 bonds for a 38,640 ft. 8- to 12-in. with clay, sewers and disposal plant, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Mt. Shasta (Weed P. O.)—Plans election $40,000 bonds extending water and sewerage systems.

Calif., Richmond—Making plans storm and sanitary sewerage system in various streets. $250,000 to $300,000. E. A. Hoffman, city engr.

Ont., Ft. William—Plans 11,000 ft. 8- to 12-in. vitr. tile sanitary and storm sewers in McLeod and McPherson Sts., $32,000; sewage pumping station at McLeod and McIntyre Sts., $11,500. C. B. Symes, city engr.

Ont., Oshawa—Plans 7,000 ft. 8- to 30-in. vitr. tile and concrete sewers in Mill St. and Stacey Ave. $49,592. W. C. Smith, city engr.

Ont., Toronto—Plans 5,000 ft. concrete, brick and tile relief storm sewers in King St. and Shachan Ave. $101,000. R. C. Harris, city engr.

Ont., Toronto—East York Twp., Municipal Yard, Sammon Ave., making plans reinforced. and brick sewage disposal plant, probably activated sludge type, air compressor, pump, etc. $100,000. G. R. Jack, engr.

Ont., Toronto—East York Twp., Municipal Yard, Sammon Ave., making plans 8,000 ft. vitr. tile sewers in Greenwood Sewer Area on Coxwell and Paulton Aves. $28,000. G. R. Jack, twp. engr.

Ont., Toronto—York Twp., 40 Jarvis St., making plans 4,000 ft. vitr. and concrete sewers in Calidonia Rd., Eglinton and Nairn Aves. $70,000. F. B. Goldike, twp. engr.

Ont., Toronto—Plans 15,000 ft. brick and tile storm relief trunk sewers in Jones Ave. $335,000. R. C. Harris, city engr.

Ont., Toronto—Plans 11,000 ft. 8- to 18-in. vitr. sewers in lane north of Bloos St. $4,400, Don Esplanade Ave. $37,020, Burnside Dr. and Bathurst St. $7,640. R. C. Harris, city engr.

BIDS DESIRED

N. Y., Long Island City—Dec. 22, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Moore, 75th (Ruby) and 76th (Emerald) Sts., Sutter, North Conduit and Pitkin Aves.

Pa., Phila.—Dec. 22, by Dept. Pub. Wks., Bureau Surveys, Wissahickon Low level intercepting sewer, $105,000; main sewer in Green Lane and Fairmount Park, $34,000; and sewers in Boyer, Clearview, Comly, Irving, Napa, Sharpnack and Warnock Sts., Buist, Torresdale and Wagner Aves.

Md., Baltimore—Dec. 24, by Bd. Awards, 400,000 lb. manhole, sewer inlet and similar iron castings to Highways Eng. Dept. B. L. Crozier, City Hall, highways engr.

O., Cuyahoga Falls — See "Streets and Roads."

Mich., Pontiac—Jan. 12, by H. A. Maurer, city clk., constructing sanitary sewers; adv. E. N.-R. Dec. 18.

Tex., Cameron—Jan. 6, by R. D. Brown, city secy., sewage disposal plant. $30,000. A. F. Mitchell, city engr. $30,000.

BIDS RECEIVED

Minn., St. Paul — H. W. Austin, city purch. agt., Dec. 9, constructing Belt Line-Hazel Park sewerage system, from Northern States Contg. Co., 335 Endicott Bldg., $793,000. Noted Dec. 4.

CONTRACTS AWARDED

Mass., Attleboro—For 16 in. c.i. and 8 and 12 in. vitr. sewers in various streets, to C. M. Callahan, 23 South Fairview (Roslindale), Boston, $22,665. Noted Nov. 13.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., submerged outlet sewer in Nortons Creek, to A. M. Hazell Inc., 26 Cortlandt St., New York, $13,198. Noted Dec. 11.

N. Y., New Rochelle—J. A. Hadert, comr. Pub. Wks., City Hall, for 7,000 ft. 36 in. c.i. pipe outfall Contr. 1, to Merrit, Chapman & Scott Corp., 17 Battery Pl., New York City, $270,024; main screening, pumping plant and compost building, Contr. 2, to Tuller Constr. Co., 95 Monmouth St., Red Bank, N. J., $178,640; Whitewood Ave. pumping station and equipment, Contr. 3, to Kuchar Bros., Montvale, N. J., $30,600; 9,000 ft. 16, 20 and 30 in. connecting pipe lines, Contr. 4, to Smith Bros., 5th Ave., Pelham, $142,000. Noted Nov. 13.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sewers in Vedder Ave., etc., to Hammen Constr. Co., Perth Amboy, N. J. $87,262. Noted Dec. 11.

Pa., Phila. — Dept. Pub. Wks., Bureau Surveys, Dec. 4, intercepting sewer along Pennypack Creek, to W. H. Yetman, 601 Lincoln St., $195,285; main sewer in Packer Ave., to C. A. Conan, 140 North 55th St., $321,729.

Sewers (Continued)

Md., Baltimore—Mayor and City Council, City Hall, revolving screen building at Sewage Treatment Wks., here, Contr. 201, and constructing Gwynns Run Trunk Drain, Sect. 2, Storm Water Contr. 78, to Consolidated Eng. Co., Calvert Bldg., $29,289 and $45,087 respectively; also storm drains in Sewer Dist. J-4, Storm Water Contr. 77, to D. C. McAleer, Phoenix Bldg., $31,991. Noted Dec. 11.

Md., Baltimore—Mayor and City Council, automatic control equipment for two electric turbo-generators at Back River Sewage Treatment Wks., to General Electric Co., 1900 Washington Blvd., $8,907. Noted Dec. 11.

Va., Richmond — Westhampton Impvt. Corp., sewerage and drainage system in Franklin St. extending westward to Westhampton, to Cheatwood & Driscoll, Richmond. Engrs. est. $74,000. Noted Sept. 18.

La., New Orleans — Sewerage & Water Bd., constructing sewers, mains, etc., to J. M. McGowan, 1324 Calhoun St. Noted Oct. 16.

Mich., Flint—H. C. McClure, city engr., constructing sewage pressure conduit, ⅜ x 50 in. riveted steel pipe, to Biggs Boiler Wks. Co., Bank and William Sts., Akron, O., $255,597.

Wash., Seattle—Bd. Pub. Wks., 23,063 ft. 54 in. steel pipe line sewer in 20th Ave., to J. L. Smith, 304 West 36th St., $54,914. Noted Dec. 11.

Calif., Los Angeles—Sewers in Colorado Blvd. between Maywood and west city limits, to A. Dalmatin, 841 West 62nd St., $166,000. Noted Dec. 11.

Ont., Oshawa—Will build about 7,000 ft. 8- to 30-in. vitr. tile and concrete sewers in various streets, by day labor. $49,592. W. C. Smith, city engr.

Waste Disposal

BIDS DESIRED

Minn., Minneapolis — Jan. 9 (extended date), by F. S. Gram, city purch. agt., garbage incinerator, 210 tons daily capacity, and installing equipment, incl. boilers, cranes, hoists, air compressors, scales, etc. $225,000. N. W. Elsberg, city engr. Noted Nov. 13.

Bridges

PROPOSED WORK

Va., Tappahannock—Essex Co. (Tappahannock), Westmoreland Co. (Montross), Lancaster Co. (Lancaster), Northumberland Co. (Heathsville), and Richmond Co. (Warsaw), plan concrete bridge over Rappahannock River, here. $400,000. City of Richmond to appropriate $50,000 toward cost. A. H. McDowell, Richmond, city clk.

Miss., Philadelphia — See "Streets and Roads."

Ill., Chicago—Making plans 1 span 30 x 70 ft. steel bridge, at 100th St. $30,000. T. Pihlfeldt, 402 City Hall, engr.

Ill., Chicago—Making preliminary plans 210 ft. bridge, 86 ft. at La Salle St. $2,650,000. T. Phlfeldt, 402 City Hall, engr.

Wis., Milwaukee—Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., plans steel or concrete bridge over Menomonee Valley, at Clybourn St. S. S. Way, c/o owner, engr.

Ia., Belle Plaine—Benton Co. made surveys three 175 ft. span, concrete and steel bridge over Iowa River, south of here. $35,000. J. B. Vifquain, co. aud.

Mo., Charleston — See "Excavation, Drainage, Irrigation, Levee."

Mo., St. Louis—Making preliminary plans 265 ft. rein.-con. bridge 60 ft., over Des Peres River, at Bway., also 2 concrete arch span bridge over Des Peres River, in Lindenwood Dist. $90,000. L. R. Bowen, 301 City Hall, engr.

Arkansas—State Hy. Dept., Little Rock—plans bridge on Texarkana, Ark.-Shreveport, La. Rd., Miller Co. $37,000. Cost to be borne by State Federal Aid and Miller Co.—R. C. Limerick, highway engr.

Tex., Houston—O. F. Holcomb, mayor, soon takes bids rein.-con. arch slab bridge. $25,000. J. C. McVea, city engr.

Tex., New Boston — See "Streets and Roads."

Tex., Waco — City, G. D. Field, secy., plans concrete and steel viaduct, over Missouri, Kansas & Texas tracks, $80,000. V. O. Kock, City Hall, engr.

Tex., Waco — Making preliminary surveys viaduct over Missouri, Kansas & Texas Ry. tracks, at 16th, 17th, 18th and 20th Sts. $125,000. V. G. Koch, city engr.

Ont., Toronto—Making plans new steel arch 450 ft. bridge on North Glen Rd., 60 ft. concrete foundations and piers, on North Glen Rd. $350,000. R. C. Harris, city engr.

Ont., Welland—Dept. Pub. Wks., Parliament Bldgs., Ottawa, making plans 200 ft. concrete span bridge over Welland Canal, here. $100,000. K. M. Cameron, Hunter Bldg., Ottawa, ch. engr.

BIDS DESIRED

Fla., Sarasota—See "Streets and Roads."

Alabama — Jan. 7, by State Hy. Comn., Montgomery, bridge on Federal Aid Project 100-B, Chilton Co., 251,666 lb. reinforcing, 520 cu.yd. earth, 520 cu.yd. dry and 1,088 cu.yd. wet excav., 300 ft. untreated timber, 1,342 ft. handrail, etc. W. S. Keller, highway comr.

Miss., Holly Springs—See "Streets and Roads."

Kan., Lyndon—See "Streets and Roads."

South Dakota—Jan. 27 by State Hy. Comn., Pierre, Missouri River Bridge 1,770 ft. long, at Forest City, 2,500,000 lb. structural steel, 250,000 lb. rein.-con. beams and steel piling, 130,000 lb. reinforcing, 100,000 lb. steel tubes, 1,00 cu.yd. structural and 450 cu.yd. rock excavation. F. D. Hudgins, ch. engr.

S. D., Stamford—Dec. 30, by State Hy. Comn., Pierre, five 60 ft. span bridge over White River south of here, 330 cu.yd. concrete, 49,630 lb. reinforcing, 145,000 lb. structural steel, 49,167 lb. steel piling. F. D. Hudgins, ch. engr.

Tex., Brenham—See "Streets and Roads."

Tex., Houston—Dec. 29, by O. F. Holcombe, mayor, 140 ft. concrete bridge over Brays Bayou, 36 ft. driveway with two 8 ft. walks. $75,000. J. C. McVea, City Hall, engr.

Calif., Los Angeles — Dec. 29, by Bd. Pub. Wks., removing present structure and constructing bridge over Pacific Electric tracks at Pomeroy and McAllister Sts., 1,409 cu.yd. concrete, 138.5 tons reinforcing. M. Butler, city bridge engr.

BIDS RECEIVED

West Virginia and Maryland — B. E. Gray, div. engr., Keyser, W. Va., Nov. 25, three 133 ft. steel through truss span bridge, 18 ft. roadway, two 5 ft. sidewalks, etc., over Potomac River, between Piedmont, W. Va., and Westernport, Md., from Vincennes Bridge Co., Vincennes, Ind., for State Hy. Dept., Charleston, W. Va., and Alleghany Co. (Cumberland), Md., $42,045. Noted Nov. 20.

Tex., El Paso—See "Streets and Roads."

Colorado—State Hy. Dept., Denver, 490 ft. steel bridges and gravel approaches on 0.245 mi. Federal Aid Project 262-B, Alamosa Co., from Levy Constr. Co., 630 Symes Bldg., Denver, $74,658.

CONTRACTS AWARDED

Pa., Harrisburg—Harrisburg Bridge Co., bridge over Susquehanna River, Market St., City Island contract, 790 ft. long, 97,500 cu. yd. fill and 800 cu.yd. concrete in retaining walls and underpass, to Central Constr. Co., Pine and Court Sts., $100,000. Noted Nov. 6.

Md., Baltimore—Mayor and City Council, City Hall, steel and concrete bridge over Pennsylvania R.R. tracks, on Edmondson Ave., to Continental Contg. Co., Knickerbocker Bldg., $41,600. Noted Dec. 11.

South Carolina—State Hy. Dept., Columbia, 284 ft. steel bridge over Saluda River, on State Route 8, Federal Aid Project No. 231, in Anderson and Greenville Counties, to Austin Bridge Co., Atlanta, Ga., $26,288.

Mich., Lansing—City Clerk, constructing bridge over Grand River at Kalamazoo St., here to Koss Constr. Co. 2818 5th Ave., Des Moines, Ia., $177,482.

Missouri — State Hy. Dept., Jefferson City, to C. C. Hayward, Shelbina, two 30 ft. rein.-con. deck girder spans, etc., over Clear Creek, Shelby Co., $7,757, two 60 ft. steel truss spans, etc., over Crooked River, Monroe Co., $14,250; to R. P. Harper Constr. Co., Leona, Kan., twenty 25 ft. I-beam spans, etc., over overflow Shoal Creek and Grand River, $23,695, repairing, etc., 200 ft. steel bridge over Shoal Creek, $2,534, both Livingston Co.; to W. C. Christeson, Dixon, three 40 ft. rein.-con. deck girder spans, etc., over Pin Oak Branch, $8,290, one 30 ft. rein.-con. deck girder span, etc., over Wiggins Branch, $4,569, both Gasconade Co. Noted Dec. 11.

Kan., Edwards—Kinsley Co., five 100 ft. steel truss span bridge on Federal Aid Project 267-A, Greensburg-Kingsley Rd., to E. Tomlinson, Garfield, $54,442. Engrs. est. $69,505. Noted Oct. 30.

Kan., Phillipsburg — See "Streets and Roads."

Kan., Salina—Saline Co., steel bridge on Federal Aid Project 147-D, to Erickson Constr. Co., Lindsborg, $25,696. Engrs. est. $29,177. Noted Dec. 11.

Texas—See "Railways."

Tex., Albany—See "Streets and Roads."

Tex., Wichita Falls—See "Streets and Roads."

Oklahoma — State Hy. Dept., Oklahoma City, (**S. A. P. means State Aid Project, F. A. P. means Federal Aid Project**), to G. Sutherland, Purcell, 120 ft. steel span bridge at Purcell, F. A. P. 81, McLain Co., $15,996; to Boardman Co., West Maple St., Oklahoma City, 290 ft. pile trestle bridge over Wolf Creek, S. A. P. 78, Ellis Co., $6,548, 440 ft. pile trestle bridge on S. A. P. 53, Blaine Co., $8,601, and one 50 ft. and one 30 ft. pile trestle bridge on S. A. P. 31-B, Murray Co., $3,750; to Pioneer Bridge Co., 101 New York Life Bldg., Kansas City, Mo., 522 ft. pile trestle bridge over Beaver Creek S. A. P. 65-A, $8,891, 406 ft. pile trestle bridge over Buffalo Creek, S. A. P. 65-B, $7,178, bridges on S. A. P. 68-A and B, $17,928, all foregoing Cimarron Co., 80 ft. truss bridge over Sand Creek, S. A. P. 80-A, $17,928, 34 ft. I-beam bridge over Sand Creek, S. A. P. 80-B, 90 ft. truss span over Sand Creek, S. A. P. 80-C, and 80 ft. truss bridge over Deer Creek, S. P. 80-D, $39,051, all foregoing Grant Co., 522 ft. pile trestle bridge over Cimarron River, S. A. P. 76, Beaver Co., $9,877; to Nims & Frost, Hydro, 87 ft. trestle bridge over Sand Creek, S. A. P. 65-C, $3,471, and 85 ft. pile trestle bridge over Sandy Creek, S. A. P. 65-D, $2,295.

Calif., Merced—Merced Irrigation Dist. 7, furnishing, fabricating and erecting 207,100 lb. steel for 5 railway bridges on relocation of Yosemite Valley R.R., Mercer Co., to U. S. Steel Products Co., Rialto Bldg., San Francisco, at $0.0725 per lb. Noted Dec. 4.

Dams

PROPOSED WORK

Okla., Oklahoma City—Plans earth and rein.-con. dam across Butler Creek. $1,-000,000. Engineer not selected.

BIDS DESIRED

N. D., Grand Forks—See "Material and Equipment."

Railways

PROPOSED WORK

Quebec—H. Authier, Amos, deputy, is working to obtain from Government, subsidiaries to help formation new company to build railroad from Amos to Maniwaki and Montreal. McMDougall, Case & Johnson, Toronto, promoters.

Ontario—York Twp., Toronto, made arrangements with Toronto Transportation Comn., Yonge and Front Sts., Toronto, to repair and build new roadbed on 3,000 ft. Lambton Radial Car line in Toronto. $25,-000. F. B. Goldike, 40 Jarvis St., Toronto, twp. engr.

Ontario — York Twp., 40 Jarvis St., Toronto, plans double tracking 1¼ mi. Weston Rd. from city of Toronto limits to Weston, and changing existing gauge. $485,000. F. B. Goldike, twp. engr.

CONTRACTS AWARDED

Texas—Southern Pacific R.R., Southern Pacific Bldg., Houston, 9 mi. belt railroad connecting Texas & Pacific tracks with Houston & Texas Central R.R. tracks, incl. roadwork and highway bridges, to Gifford Constr. Co., North Texas Bldg., Dallas, and McKinzie Constr. Co., Travis Bldg., San Antonio.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Fla., Deland—See "Streets and Roads."

Ind., Princeton—Patoka—Wabash Levee Dist. takes bids in Spring, draining and flood protection for approximately 75,000 acres. $1,250,000. H. C. Morrison, Princeton, ch. engr. T. N. Jacob, 1900 Ry. Exch. Bldg., St. Louis, Mo., consult. engr.

Ill., Havana—Rome View Drainage & Levee Dist., Mason Co., making preliminary plans 4 mi. open ditch, 170,000 cu.yd. excav. C. H. Kreiling, Havana, engr.

Ill., Lawrenceville—Birds D. D., c/o G. W. Lacky, atty., Lawrenceville, making preliminary plans 85,740 cu.yd. excav., and redredging 99,351 cu.yd., etc., in Lawrence Co. E. F. Mail, Robinson, engr.

Minn., Center City—See "Streets and Roads."

Neb., Columbus—Oconee D. D. of Platte Co., c/o O. Walters, atty., Columbus, making preliminary plans approximately 3 mi. ditches, etc. $40,000. L. F. Gottschalk, Columbus, engr.

Mo., Charleston—St. James D. D. making preliminary plans constructing 29.5 mi. open ditches, 1,200,000 cu.yd. excav., 1,750 ft. 42- to 48-in. tile ditch and four 50 ft. and five 60 ft. bridges, one 48 in. x 36 ft. culvert and headwalls, also moving seven bridges and reconstructing four 40 ft. wooden truss bridges, 150 catch basins, etc. $260,286. L. T. Berthe Eng. Co., Charleston, engrs.

Mo., Kennett—St. Francis River D. D., 7, making preliminary plans 15 mi. levees, etc., 200,000 cu.yd. earth excav., in Dunklin Co. A. C. Spiker, Bloomfield, engr.

Bridges (Continued)

Okla., Henryetta — Okmulgee Co. plans deepening and straightening Deep Fork River through portions Okmulgee and McIntosh Counties to reclaim 100,000 acres. $25,000. Cost to be borne by State and Federal Aid. Engineer not announced.

Okla., Lindsay—Washita D. D. No. 1, Garvin Co., plans straightening and deepening Washita River, and draining low lands near here, 185,000 cu.yd. hydraulic dredgework. $50,000. R. J. Wheeler, Wynne Wood, engr.

BIDS DESIRED

Fla., St. Petersburg — Jan. 26, by S. S. Martin, dir. Finance, dredging, turning basin and building breakwater at Port St. Petersburg; adv. E. N.-R. Dec. 18.

La., Bossier City—Dec. 22, by Bd. Comrs. Gravity D. D. 1, Bossier State Bank, clearing and excavating 2,126,000 cu.yd. in Drainage Canal Bayou and Red Chute Channel. A. W. Price, secy.

Minn., Fairmont—Jan. 9, by W. M. Canfield, aud. Martin Co., constructing Judicial Ditch 110, 20,537 ft. 6- to 18-in. tile, take and relay present 1,350 ft. 8- to 12-in. tile, etc. E. A. Siemen, Fairmont, civil engr.

Mo., New Madrid—Dec. 22, C. L. V. Jones, Clk. New Madrid Co. D. D. 35, constructing certain ditches, drains or water courses, 52,959 cu.yd. excavating, incl. spoiled material, clearing right-of-way and maintaining channel until inspection. W. B. Rossiter, New Madrid, engr. Noted Sept. 15.

Colo., La Junta—Dec. 29, by Holbrook D. D., 750,000 cu.yd. earth excav., 45 small bridges, etc. A. J. Lugenbill, pres.; adv. E. N.-R. Dec. 11.

Calif., Sacramento—See "Buildings—Commercial."

Calif., San Francisco—Jan. 2, by State Bd. Harbor Comn., Ferry Bldg., reclaiming 1,400 ft. land, 800 ft. wide, Contr. A, repairing bulkhead, 50 piles, 15,000 to 20,000 ft. timber, and building temporary trestle, Contra. B, 160,000 cu.yd. dredging, Contr. C, dike work, 175,000 to 200,000 tons native rock, and building wharf along channel side. $500,000. F. G. White, Ferry Bldg., ch. engr.

BIDS RECEIVED

Calif., Los Angeles—Los Angeles Co., from United Dredging Co., Central Bldg., dredging 1,600 lin. ft. river diversion channel in Lower East San Gabriel (New River), approximately 8,000 cu.yd. at $0.295 per cu.yd.

CONTRACTS AWARDED

Tex., Houston—Southern Pacific R. R., Southern Pacific Bldg., dredging section 830 x 225 x 30 ft. deep, to Atlantic Gulf & Pacific Dredging Co., Galveston; grading, to S. A. Lacy. Engrs. est. $1,000,000.

Ont., St. Catharines—J. W. Pugsley, secy. Dept. Rys. and Canals, Ottawa, constructing Sect. 7 Welland Ship Canal, to Canadian Dredging Co., Midland, $10,000,000. Noted Oct. 16.

Streets and Roads

PROPOSED WORK

Massachusetts — Dept. Pub. Wks., Div. Highways, Boston, plans bituminous macadam repaving Fitchburg-Westminster Rd. on Mohawk Trail Route, in Fitchburg. $50,000 or more. W. F. Williams, comr.

Mass., Boston—Plans widening Staniford St. $1,000,000. F. H. Fay, City Planning Bd., City Hall, chn.

Mass., Quincy—Plans widening Kittredge Ave., etc., also reconstructing portions of Edgemere Rd., Woodward and Independence Aves., Granite, Fort, and Verchild Sts. To exceed $25,000. P. F. O'Brien, city engr.

Conn., Hartford—Plans sheet asphalt on concrete paving Asylum, Capitol, Charter Oak, Blue Hills, Maple and New Britain Aves. $605,000. R. N. Clark, city engr.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids Nov. 28, grading, etc., 112th and 92nd Sts., 14th and Astoria Aves., also asphalt repaving Jackson St. Noted Dec. 4.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids Dec. 3, sheet asphalt repaving Bway., Prospect and 104th Sts., Ditmars, 6th and 8th Aves., etc. Will readvertise. Noted Dec. 11.

N. J., Deal—Plans concrete paving ½ mi. Rose Ave. $25,000. Bd. Freeholders Monmouth Co. (Freehold) and State Hy. Dept., Trenton, to appropriate toward cost to share expense. Engineer not selected.

S. C., Newberry—Voted $150,000 bonds extending street pavements.

Fla., Deland—Voted $800,000 bonds, for streets, sewers, water and light plant. Noted Nov. 6.

Miss., Louisville—Soon takes bids grading, and brick on concrete paving, 15,000 sq.yd. F. A. Livingston, Louisville, engr.

La., New Orleans—A. Klorer, city engr., submitted plans to Comr. Black of Dept. Pub. Property, for paving 5 mi. Sect. 1 of Claiborne Ave., $764,936. Cost to be borne by City and State Hy. Dept.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plans grading and surfacing 12 mi. Columbia-Giles Co. line Rd., Maury Co.; grading, etc., 3.5 mi. Loudon-Lenoir Rd., 18 ft., Loudon Co. J. G. Creveling, highway comr.

Tenn., Chattanooga—City and Nashville, Chattanooga & St. Louis R.R. Co., 1000 Bway., Nashville, making surveys improving and extending Broad St. To exceed $25,000. E. Bass, comr. Pub. Wks. H. McDonald, ch. engr. railroad.

Tenn., Chattanooga—Hamilton Co. plans straightening, widening and improving Lookout Mountain Hy. and other roads. $50,000. H. L. Clark, secy. County Hy. Dept.

Tenn., Nashville—Plans improving various streets and sewers. $170,000 appropriated. W. W. Southgate, city engr.

O., Barberton—Plans widening High St. from Stop 97 to Youngs crossing, $40,000-$50,000; constructing boulevard from Centre St. Viaduct to Norton Centre Rd. $50,000. H. Alcorn, city engr.

O., Youngstown—Plans improving Oakwood and Schenley Aves., $25,000 and $40,000 respectively. R. E. Turner, Youngstown, engr.

Mich., Detroit—Made plans grading and sheet asphalt paving 2,064 sq.yd. Griggs Ave., Sect. 2 $10,320, 2,490 sq.yd. Marlboro Ave., Sect. 2 $12,480, 10,420 sq.yd. Iverness Ave. $52,110, 3,460 sq.yd. Montana Ave. $17,130, 2,560 sq.yd. Barlow Ave. $12,770, 3,850 sq.yd. Burnette Ave., Sect. 1 $19,270, 7,940 sq.yd. Adeline Ave. $36,690, 4,320 sq.yd. Kellara Ave. $21,620, and 1,200 sq.yd. Tyler Ave. $6,000. G. Jerome, city engr.

Mich., Detroit—Made plans one course concrete paving 17,213 sq.yd. various alleys. $43,030. G. Jerome, city engr.

Ill., Evanston—Bd. Local Impvts. City Hall, W. Blanchard, secy., made plans grading and Kentucky rock asphalt surfacing 15,400 sq.yd. Main St., $118,000. R. Loag, City Hall, engr.

Ill., Harvard—Plans grading and paving various streets, 30,000 ft. concrete curb and gutter, 50,000 sq.yd. warrenite, vibrolithic concrete or penetration macadam paving, etc. $200,000 or more. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Wisconsin—Adams Co. appropriated $12,000 for road work during 1925, J. A. McGregor, Friendship, comr.; Barron Co. $85,000, E. Gleason, Barron, comr.; Buffalo Co. $35,758, J. Reinhardt, comr.; Calumet Co. $13,000, J. A. Gillis, Chilton, comr.; Columbia Co. $70,000, J. T. Henton, Portage, comr.; Douglas Co. $40,000, C. Hanson, Superior, comr.; Dunn Co. $43,000, F. Stewart, Menomonie, comr.; Grant Co. $50,000, H. Mink, comr.; Green Lake Co. $15,000, D. C. Williams, Green Lake, comr.; Iowa Co. $15,000, C. Wonn, Dodgeville, comr.; Jackson Co. $22,000, O. H. Overlien, Black River Falls, comr.; Kewaunee Co. $10,000, H. Griese, Kewaunee, comr.; Langdale Co. $25,000, C. Olsen, Antigo, comr.; Lincoln Co. $30,000, H. H. Kuehling, comr.; Marathon Co. $20,000, J. H. Voigt, Wausau, comr.; Marinette Co. $8,500, A. Eklund, Marinette, comr.; Oconto Co. $25,000, E. W. MacAllister, Oconto, comr.; Pierce Co. $24,000, C. F. Kenall, Ellsworth, comr.; Pepin Co. $6,500, A. Weishapple, Durand, comr.; Price Co. $20,000, B. M. Griffin, comr.; Richland Co. $24,000, A. V. Robinson, Richland Center, comr.; Shawano Co. $68,000, W. F. Meyer, Shawano, comr.; Taylor Co. $25,000, C. Kelnhofer, Medford, comr.; Trempealeau Co. $75,000, E. F. Rotering, comr.; Vernon Co. $35,800, A. Ristow, Viroqua, comr.; Waushara Co. $2,000, F. Grimm, Wautoma, comr.; Walworth Co. $15,000, H. J. Peters, Elkhorn, comr.; Wood Co. $20,000, E. Morris, Wisconsin Rapids, comr.

Wisconsin — Columbia Co. appropriated $20,000 for road work during 1925, J. T. Henton, comr.; Chippewa Co. $225,000, W. H. Taylor, comr.; Green Co. $295,000, C. J. Smith, comr.

Wis., Kenosha—Kenosha Co. voted $360,000 bonds concrete paving 9 mi. Silver Lake-Twin Lakes Rd., 2 mi. extension Somers Rd., and 3 mi. Burlington Rd. J. Herzog, comr.

Wis., Lancaster—Grant Co. voted $69,192 bonds crushed stone and gravel surfacing about 90 mi. various roads. H. Mink, comr.

Wis., Racine—Racine Co. voted $94,000 bonds concrete paving approximately 4 mi. County Trunk E west of Thompsonville. W. A. Bechthold, comr.

Ia., Sigourney — Plans paving, etc., 10 blocks or more various streets. $40,000. A. J. Bryant, city clk.

Minn., Hastings—Dakota Co. takes bids in spring, concrete paving about 2 mi. between Mendota and Jefferson Highway. $40,000. J. Swan, Hastings, engr.

Minn., Kenyon — H. J. Held, city clk., plans probably concrete paving, etc., about 10 blocks, various streets. $35,000. Siverts & Nelson, 300 Builders Exch., Minneapolis, engrs.

Minn., Northfield—R. H. Moses, city clk., takes bids in spring, paving, etc., 20 to 30 blocks various streets. $80,000-$100,000. Siverts & Nelson, 300 Builders Exch., Minneapolis, engrs.

Kan., Oakland — Making preliminary plans grading, curbing, guttering and hard surfacing various streets. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Neb., Papillion—Sarpy Co. election Dec. 30, $32,000 bonds constructing highway in Richland Precinct.

Mo., Clayton—St. Louis Co. making preliminary plans widening 2.25 mi. Oliver St. road through University City, from 21 to 40 ft. $225,000. R. Jablonsky, Court House, engr.

Mo., St. Louis—Soon takes bids grading and concrete paving, 5,600 ft. alleys in city blocks 1571, 4253, 4410A, 4409A, 5556, 5157, 5652, 2370A, 4895, 4714 and 5828, 18 ft.; also 2,714 ft. 12-42 in. vitr. clay and segmental block sewers in Oleatha Dist. $33,600. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, soon takes new bids asphalt surfacing Delmar Blvd. $43,600, and Labadie Ave. $23,800; willite on concrete surfacing Fyler Ave. $33,200, and St. Louis Ave. $43,200. Former bids rejected. W. W. Horner, 300 City Hall, city engr. Noted Nov. 20.

Tex., Austin—Travis Co. making plans crushed rock surfacing 7.92 mi. State Highway 20-A, Fredericksburg Rd., 16 ft. $32,350. O. Leonard, Box 256, co. engr.

Tex., Boston—Bowie Co. making plans grading and concrete surfacing 3.2 mi. and gravel surfacing, bridges, culverts, etc. 7.1 mi. State Highway No. 1. $196,000. D. K. Caldwell, Texarkana, engr.

Tex., New Boston—Bowie Co. (Boston) plans grading, rein.-con. paving, bridges, etc., 7.31 mi. State Highway No. 47, 18 ft. $238,500. D. K. Caldwell, Texarkana, engr.

Tex., San Antonio—Making plans paving, curbing, and asphalt rock or equivalent topping 10 blocks Westfall Ave., 60 ft. $90,000. I. Ewig, City Hall, engr.

Tex., Snyder—Voted $50,000 bonds, paving various streets. A. C. Pruitt, city secy. Engineer not selected. Not ' Dec. 4.

Okla., Clinton—Plans grading, concrete curbing and sheet asphalt paving, 5,100 sq.yd., Choctaw, 1st and 4th Sts. $37,600. B. M. Hart, City Hall, Oklahoma City, engr.

Okla., Guthrie—Making preliminary plans grading, curbing, and concrete paving 7,100 sq.yd. Harrison Blvd. $30,000. W. J. Mathis, city engr.

Okla., Healdton—Plans grading and paving 6 blocks Main St. and Carter Ave., 50 ft. $35,000. C. Coon, 1820 North Bway., Oklahoma City, engr.

Okla., Lawton—Made surveys grading and graveling 16,000 sq.yd. Lawton-Cameron, College Rd. $30,000. S. Joyner, Lawton, engr.

Okla., Lindsay—Made preliminary plans grading and vertical fibre brick paving 8,600 sq.yd. Main St. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City engrs.

Okla., Stroud—Making preliminary plans vertical fibre brick paving Dist. 4. To exceed $25,000. Burnham Eng. Co., 512 Gumble Bldg., Kansas City, Mo., engrs.

Okla., Tecumseh—Pottawatomie Co. making preliminary plans grading and concrete paving 13,000 sq.yd. Asher Rd. $45,000. F. D. Brown, Shawnee, engr.

Wash., Longview—See "Buildings—Industrial."

Calif., Isleton — Plans election $50,000 bonds paving various streets.

Calif., Pasadena—Voted $150,000 bonds to finance 2 in. oil macadam paving, concrete curbing, guttering, underground conduit, and ornamental lighting system in San Rafael Dist.

Calif., San Anselmo—Making plans paving, etc., Redwood Rd., Scenic, Elm, and Plumas Aves.; paving and sewers in Rowland and Hillcrest Aves. To exceed $25,000. J. C. Oglesby, city engr.

Calif., San Francisco—Made plans improving 30th and 31st Aves. between Geary and Balboa Sts., etc., 70,121 cu.yd. fill, 69,920 cu.yd. cut. To exceed $50,000. M. M. O'Shaughnessy, city engr.

Que., Sherbrooke—Plans macadam, concrete and gravel surfacing various streets. $254,700. T. Tremblay, city engr.

Que., Sherbrooke—Plans concrete sidewalks and curbs. $86,300. W. Brault, mayor. T. Tremblay, city engr.

Streets and Roads (Continued)

Ont., Paisley — Making plans concrete paving 8,000 sq.yd. Queen St. $25,000. G. Stephenson, Walkerton, engr.

Ont., St. Thomas — Making plans and takes bids latter part of March, asphalt paving Hincks St. from Talbot to Wellington Sts. $35,000. W. C. Miller, city engr.

Ont., Toronto—Soon takes bids grading and opening lane from Sommerset to Delaware Aves. $14,850; also lane from Salem to Westmoreland Aves.; grading Orchard Park Rd. $21,500. R. C. Harris, city engr.

BIDS DESIRED

Massachusetts—Dec. 30, by Dept. Pub. Wks., State House, Div. Highways, bituminous paving 21,012 ft. highway in Fitchburg and Westminster. $100,000. W. F. Williams, comr.

N. Y., Long Island City—Dec. 22, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks and asphalt repaving Hobson Ave. and 112th St.; asphalt repaving Bway. and Astoria Ave.

N. Y., Long Island City—Dec. 22, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks, etc., on Hobson Ave., etc. Former bids rejected. Noted Nov. 6.

Pa., Mt. Lebanon—Dec. 22, by Comrs. Mt. Lebanon Twp., paving 18,600 sq.yd. and grading 12,300 lin.ft., etc., Ralston Pl., Schaffer St., Meadowcroft, Overlook and Pauline Aves., Beverly and Arden Rds. Douglass & McKnight, 912 Columbia Bank Bldg., Pittsburgh, engrs.

South Carolina — Jan. 6, at office Bd. Comrs. Dillon Co., grading and sand clay surfacing 8.3 mi. State Route 47, State Aid Project S-526, in Marian and Dillon Counties. J. M. Martin, Courthouse, Florence, engr.

S. C., Greenville—Dec. 30, at office Supervisor Greenville Co., grading and plain concrete or sheet asphalt on concrete surfacing 4.7 mi. State Route 2, State Aid Project S-565 A, and 3.38 mi. State Route 21, State Aid Project S-570. E. D. Sloan, Courthouse, engr.

S. C., Orangeburg — Jan. 2, at office Orangeburg Co. Hy. Comn., grading and sand clay surfacing 13.8 mi. State Route 1, State Aid Project S-543. A. T. Brown, Scovil Bldg., engr.

S. C., Spartanburg — Dec. 31, at office Spartanburg Co. Hy. Comn., grading and plain concrete or sheet asphalt on concrete surfacing 2.21 mi. State Route 8, Federal Aid Project 27-C, and 2.7 mi. State Route 19, Federal Aid Project 73-A. E. D. Sloan, Courthouse, Greenville, engr.

Fla., Sarasota—Dec. 27, at office Commissioners Sarasota Co., constructing 31.5 mi. highway divided into 7 projects; 1 steel draw span and approaches, and one 30 ft. span concrete bridge. M. L. Towsend, chn.; adv. E. N.-R. Dec. 18.

Miss., Philadelphia — Jan. 6, by Bd. Supvrs. Neshoba Co., at office Chancery Clerk, grading, bridging and sand clay surfacing, etc., 3,000 sq.yd. Philadelphia-DeKalb Rd. H. C. Dietzer, Jackson, engr.

Miss., Rolling Fork — Dec. 31, by Bd. Supvrs. Sharkey Co., grading, etc., 4.407 mi. Federal Aid Project 181-A, 5,624 cu.yd. excav., 29,698 cu.yd. borrow, 12,922 lb. reinforcing, 10,340 cu.yd. gravel, 9,902 units overhaul, etc. Bids also on gravel f.o.b. all points Percy to Nitta Yuma inclusive. H. C. Dietzer, Jackson, engr.

Louisiana—Dec. 30, by State Hy. Dept., Reymond Bldg., Baton Rouge, graveling State Project 408 A1, Archibald-Monroe Highway, Richland Parish, and State Project 439 A and B, Monroe-Winnsboro Highway. W. B. Roberts, ch. engr.

Louisiana—Jan. 13, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 7.34 mi. Bastrop-Arkansas Highway, State Project 106 A, Morehouse Parish; 16.13 mi. Leesville-Natchitoches Highway, State Project 424, Vernon Parish; and 6.4 mi. Winfield-Olla Highway, State Project 366 A, Winn Parish. W. B. Roberts, ch. engr.

O., Cuyahoga Falls—Dec. 23, by A. Miller, dir. Pub. Serv., paving, laying sewers, mains and sidewalks on West Broad St. $100,000 or more. W. Ranmey, Cuyahoga Falls, engr. Noted Dec. 11.

Ind., Warsaw—Jan. 6, by S. S. Boggs, engr. Kosciusko Co., concrete paving 29,842 sq.ft. Minear Rd. $76,223.

Michigan—Dec. 30, by State Hy. Dept., at office Lapeer Co., Lapeer, grading and gravel surfacing 2.967 mi. Assessment Dist. 460, 48,235 cu.yd. excav., 20,933 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Wis., Sparta — Dec. 22, by C. Millard, highway comr. Monroe Co., shale surfacing 19 roads. $32,000.

Minn., New Brighton—Dec. 29, by G. J. Ries, aud. Ramsey Co. (St. Paul), grading, curbing and 1 course concrete paving 6,484 sq.yd. 9th Ave. and Front St., here. $25,000. P. N. Coates, 900 Guardian Life Bldg., St. Paul, engr.

Kan., Burlingame — Dec. 29, by M. R. Doty, city clk., removing present brick surface, bridge, etc., and gradirg, resurfacing, etc., Santa Fe St. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Kan., Columbus—Jan. 9, by E. R. Pattyson, clk. Cherokee Co., grading and chats surfacing 7.028 mi. Military Rd., Federal Aid Project 255-A, 18 ft. H. W. Tyrell, Columbus, engr.

Kan., Larned—Jan. 21 (extended date), by Clerk Pawnee Co., grading and sand clay surfacing 11.904 mi. Federal Aid Project 281-A, and 7.918 mi. Federal Aid Project 295-A, both 18 ft. V. Stewart, Larned, co. engr. Noted Dec. 4.

Kan., Olathe—Jan. 3, by Clerk Johnson Co., grading, curbing, guttering and vitr. brick or concrete surfacing, etc., 46,794 sq. yd. Federal Aid Project 246-B. E. J. Terrell, Olathe, engr.

Kan., Lyndon—Jan. 2, by Clerk Osage Co., grading 4.783 mi. Federal Aid Project 264-D, 33,638 cu.yd. earth and 5,539 cu.yd. rock excav., 1,020 cu.yd. borrow, 17,930 ft. hedge, 5,776 ft. fence, 18,810 lb. reinforcing, etc.; concrete on brick surfacing 9,779 yd. Federal Aid Project 266-E; one 25 ft. I-beam span and two 80 ft. pony truss bridges on Federal Aid Project 266-D. R. Hopper, Court House, engr.

Missouri—Dec. 19, by State Hy. Dept., Jefferson City, 30 ft. grading 4.205 mi. road from Licking south, 4.178 mi. road from Licking north, both Texas Co., 1.232 mi. road from New Market north, 8.008 mi. Tracy-New Market Rd., both Platte Co., 3.975 mi. Trimble-Grayson Rd., 1.715 mi. Grayson-Gower Rd., both Clinton Co., 7.31 mi. road from Salem south, Dent Co., 5.766 mi. Monroe City-Ely Rd., Ralls Co., 2.423 mi. road from Edinburgh west, Grundy Co., 4.374 mi. Hannibal-Ely Rd., Marion Co., 3.875 mi. road from Ava west, Douglas Co.; 12 ft. gravel surfacing 6.751 mi. Jefferson City-Eldon Rd., Cole Co., 5.84 mi. Wellsville-Montgomery City Rd., Montgomery Co., 1.163 mi. Bismark-Elvins Rd., St. Francois Co., 2.321 mi. inn Creek-Macks Creek Rd., Camden Co., 2.838 mi. Bagnell road south, Miller Co.; 18 ft. concrete surfacing 5.766 mi. Monroe City-Ely Rd., Ralls Co., 4.374 mi. Hannibal-Ely Rd., Marion Co.; 18 ft. penetration macadam surfacing 1.715 mi. Grayson-Gower Rd., 3.975 mi. Trimble-Grayson Rd., both Clinton Co., 2.423 mi. road from Edinburgh west, Grundy Co.; 16 ft. chat surfacing 4.116 mi. road from Aurora east and west, Lawrence Co. B. H. Piepmeier, ch. engr.

Mo., St. Louis—Jan 13, by Bd. Pub. Serv., 208 City Hall, grading, granite curbing and paving with brick on concrete 4,155 sq.yd. 18th St., $26,000, 4,980 sq.yd. Fairfax St., $27,000, 6,800 sq.yd. Macklind St. $36,750, 875 sq.yd. Potomac St. $6,000, removing old paving and repaving with Trinidad asphalt or Warrenite on concrete 14,820 sq.yd. Franklin St., $92,000; grading, granite curbing and paving with Warrenite on concrete 7,315 sq.yd. Bell Ave., $53,400, 2,605 sq.yd. Dickson St. $14,500, 7,500 sq.yd. Marine St. $53,800. W. W. Horner, city engr.

South Dakota—Dec. 30, by State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project)** graveling 22.4 mi. F. A. P. 177A, Pennington Co., 33,600 yd. overhaul; 22.5 mi. highway from Cheyenne River near Wasta to east line of Pennington Co., 33,750 yd. overhaul; 13.5 mi. state highway from Kadoka to Belvidere, Jackson Co., 20,200 yd. overhaul; 10 mi. F. A. P. 185 A, Jones Co., 15,000 yd. railroad and truck haul; 9 mi. F. A. P. 190A, Gregory Co., 13,500 yd. truck haul. F. D. Hudgins, ch. engr.

Tex., Floresville — Jan. 12, by Comrs. Wilson Co., hardsurfacing on permanent foundation 15 mi. San Antonio-Corpus Christi Rd., and 31 mi. San Antonio-Cuero Rd., 18 ft. $1,000,000. Former bids rejected. Address County Commissioners.

Tex., San Antonio—Taking bids grading, curbing and Uvalde rock asphalt on rock paving 9 blocks Crosby St., 60 ft. $28,000. I. Ewig, city engr.

Okla., Fairfax—Dec. 22, by J. N. Fly, city clk., grading and paving 12 blocks 5th, Elm, Ash, Park and McKinley Sts., 13,870 sq.yd. vertical fibre brick, 8,600 ft. concrete curb and gutter, 5,400 cu.yd. earth and 110 cu.yd. rock excav. $81,108. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., El Cerrito—City Trustees taking bids improving Oak, Willow, Lexington Sts., etc., 240,000 sq.ft. 1.5 in. Warrenite on 2.5 in. asphaltic concrete, 15,246 lin.ft. concrete curb, 246,221 sq.ft. grading; also Stockton St., 48,734 sq.ft. 1.5 mi. Warrenite on 3 in. asphaltic concrete, 78,840 sq.ft. grading, etc. R. L. Calfee, 221 South 22nd St., Richmond, engr. Noted Nov. 20.

Calif., Hanford—Jan. 5, by Supervs. Kings Co., improving Hanford-Riverbend Gap Rd., 4,722 cu.yd. cement concrete paving, 284,620 sq.ft. 1.5 in. Topeka surface or 284,620 sq.ft. 3.5 in. asphalt on concrete base. R. May Co., surv.

Calif., San Diego — Dec. 29, by A. H. Wright, city clk., improving Ibis, Jackaw and four other streets, 96,874 sq.ft. 1.5 in. asphaltic concrete on 2.5 in. bituminous, 38,391 sq.ft. 1.5 in. asphaltic concrete on 4 in. concrete, 1,334.65 lin.ft. cement concrete curb, 2,114 sq.ft. cement concrete sidewalks, etc. F. A. Rhodes, city engr.

Calif., Santa Cruz—City Council taking bids improving Pine St., 39,153 sq.ft. grading to sub-grade, 830 cu.yd. excav., 49,153 sq.ft. concrete paving, etc. H. E. Godegast, city engr.

Calif., Santa Monica—Taking bids improving 19 blocks 9th St., Montana and Iowa Aves. To exceed $25,000. H. B. Carter, Santa Monica, engr.

BIDS RECEIVED

Connecticut—State Hy. Dept., Hartford, 8 in. rein.-con., type B paving 11,935 ft. Prospect Hill Rd., in Enfield and East Windsor, from Lane Constr. Co., 37 Colony St., Meriden, $75,753, 14,790 ft. Portland East Hampton Rd., in East Hampton, from F. B. Miller, Norwich, $122,591; 7 in. waterbound macadam paving 8,760 ft. Harwinton Rd. in Torrington, from J. De Michael & Bros., 58 High St., Torrington, $44,792; 8 in. waterbound macadam paving 8,750 ft. Sherman Rd. in New Fairfield, from J. Arborio, 82 Church St., New Haven, $56,745; 7 in. native stone macadam paving 19,810 ft. Union Turnpike in Stafford, from M. A. Gammino Constr. Co., 728 Valy St., Providence, R. I., $160,359; grading, etc., 5,458 ft. Boston Post Rd. in Greenwich, from Silliman & Godfrey Co., 133 Admiral St., Bridgeport, $115,490. Noted Nov. 27.

South Carolina—State Hy. Dept., Columbia, clay-gravel surfacing 6.08 mi. State Route 9, Federal Aid Project No. 249, Marlboro and Dillon Counties, to Hendricks & Kennedy, Charlotte, N. C., $27,144.

Connecticut—State Hy. Dept., Hartford, 8 in. waterbound macadam paving 22,215 ft. Norwich-Hadlyme Rd., in Lyme and East Haddam, from J. Arborio, 82 Church St., New Haven, $139,318; 3 in. bituminous macadam on 7 in. native stone paving 12,650 ft. Glastonbury-Portland Turnpike in Portland, from A. Brazos & Sons, 86 Oak St., Middletown, $131,349; rein.-con. paving 7,744 ft. Sharon-Amenia Rd. in Sharon, from J. Mascetti, 223 Oak Ave., Torrington, $68,025; grading for 36 in. paving 34,600 ft. Boston Post Rd., in Milford, Orange and West Haven, from Connecticut Natl. Pavements, Inc., 173 Orange St., New Haven, $106,685. Noted Nov. 27.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., to Pegno Constr. Co., 380 Freeman Ave., Astoria, grading, sidewalks, etc., on 7th Ave. $2,435, to Welsh Bros. Contg. Co., 32 Queens St., Astoria, Ridge St. $4,479, 51st St. $27,905, to J. J. O'Brien, Inc., William St., Jamaica, Bway. $878, to C. Kurth, 9519 126th St., Richmond Hill, Bliss St. $2,124, 96th St. $7,062; to Sicilian Asphalt Co., 41 Park Row, New York City, grading, sidewalks, etc., on Queen St. $9,854, to A. A. Johnson Corp., Queens Blvd., paving Hallett St. $11,078. Noted Dec. 4.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Dec. 10, grading Wadsworth Terrace and West 188th St., from M. Del Baso, 660 East 221st St., $30,016. Noted Dec. 4.

N. Y., New York — H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., granite block repaving Park Ave., from Regan Towers Co., 124 West 121st St., $27,080.

N. Y., New York — H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., Dec. 11, granite block repaving East 144th St., from P. Cramer, 114 East 52nd St., $17,261. Noted Dec. 4.

Pennsylvania—Dept. Hys., Harrisburg, from Milliron Constr. Co., Inc., DuBois, improving Route 97, Sect. 3 and 5, Elk and McKean Counties, 90,800 sq.yd. concrete paving at $3.55 per sq.yd., 7,093 cu.yd. borrow $1.10, 64,919 cu.yd. excav. $1.10, total $498,131. Noted Nov. 13.

Ind., Rockville—Parke Co., **(e. e. means engineers est.)**, concrete paving 86,623 sq. yd., Clinton-Veedersburg Rd., Contr. 2, from C. C. Cunningham, 1801 Kentucky Ave., Indianapolis, $139,984, e. e. $155,293, 93,390 sq.yd. Contr. 1, from C. W. Clarke, 511 Terre Haute Trust Bldg., Terre Haute, $162,244, e. e. $171,168, 85,713 sq.yd. Contr. 3, from Foulkes Constr. Co., 705½ Ohio St., Terre Haute, $154,789, e. e. $176,076; grading and graveling 2.8 mi. Contr. 4, from P. O'Leary & Son, Terre Haute, $27,280, e. e. $32,761.

Streets and Roads (Continued)

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., sheet asphalt paving 4,090 sq.yd. Barnham Ave. $19,960. 4,200 sq.yd. Bessemore Ave. $20,-805, 4,010 sq.yd. Washburn Ave. $18,099, 19,240 sq.yd. Wark Ave., Sect. 1 $85,928, 17,100 sq.yd. Audubon Ave. $84,540, 4,690 sq.yd. Georgia Ave., Sect. 2 $23,289, 10,480 sq.yd. Promenade Ave. $49,068; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., 995 sq.yd. Wilson Ave. $5,239, 720 sq. yd. Dexter Ave., Sect. 2 $3,602, 6,410 sq. yd. Holmur Ave., Sect. 3 $30,935; from Cooke Asphalt Paving Co., 1260 Penobscot Bldg., 6,680 sq.yd. Orleans Ave. $30,830.

Michigan — State Hy. Dept., Lansing, grading and concrete surfacing 3.106 mi. State Trunk Line Rd. 53-13 B, Macomb Co from T. E. Currie, 20 McGraw Bldg., Detroit, $225,368.

Tex., El Paso—El Paso Co., grading and bridging 7.35 mi. State Highway 1, Federal Aid Project 439-B, 26 ft., from Orr & Wright, El Paso, $140,029. Engrs. est. $173,474. Noted Nov. 20.

Tex., Greenville—Hunt Co., reshouldering roadway and surfacing with rein.-con. Bates type section, 11.14 mi. State Highway 1, Federal Aid Project 171, 18 ft., from Plains Paving Co., Greenville, $226,415. Engrs. est. $348,500.

Tex., Pearsall—Frio Co., grading, gravel surfacing and bridging 14.86 mi. State Highway 85, Dilley-Eagle Pass Rd., 16 ft., from C. C. O'Neal, Dallas, $164,535. Engrs. Est. $170,000.

Calif., Blythe—City Trustees improving Hobson Way between Main St. and west city limits, 112,560 sq.ft. 6 in. concrete paving and grading, 14,955 sq.ft. concrete sidewalks, 14,056 sq.ft. gravel shoulders, etc., from Pearson & Dickerson, Riverside, $53,-239. Noted Dec. 4.

Calif., Eureka — City Trustees grading and paving E St. between 7th and Harris Sts., 195,130 sq.ft. 1.5 in. Warrenite on asphaltic concrete, etc., from Mercer-Fraser Co., Eureka, $91,005. Noted Dec. 4.

Calif., Lynwood—From Hall-Johnson Co., 3025 Fowler St., Long Beach, improving Lynwood Rd., Louise St., etc., 157,150 sq.ft. grading at $0.016 per sq.ft., 157,150 sq.ft. 4 in. oil macadam paving $0.12, 56,560 sq. ft. sidewalks $0.17, 24,825 sq.ft. gutters $0.28, total approximately $42,000. Noted Nov. 27.

Calif., San Rafael—Marin Co., improving 5.5 mi. Pt. Reyes and Tomales Co. Rd., 59,-205 cu.yd. excav., 4,000 cu.yd. rock surfacing, etc., from T. A. MacDougall & Sons, 716 Lincoln St., San Rafael, $45,833.

Calif., Stockton — City Council, Dec. 1, improving portions of Lincoln St. between Church St. and Charter Way, 5,333 lin.ft. curb and gutter, 155,296 sq.ft. 2 in. asphaltic concrete on 2.5 in. concrete gravel, and asphaltic concrete, 25,872 sq.ft. cement walks, from J. E. Johnston, Savings & Loan Bank Bldg., $47,177. Noted Nov. 13.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., to W. P. McDonald, 342 Madison Ave., sheet asphalt repaving Main St., $46,950, Astoria Ave. $100,580; to Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J., Jackson Ave. $16,285. Noted Dec. 4.

Miss., Pittsboro—Calhoun Co., grading, etc. 4.166 mi. Federal Aid Project 152-B, 18 ft., to A. L. Dumas, Capeville, $47,644.

Louisiana — St. Hy. Comn., Reymond Bldg., Baton Rouge, constructing 8 mi. Homer-Farmersville Highway, to L. M. Wimberly, Arcadia, $53,342.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, constructing 4.12 mi. Oak Grove Arkansas Highway, West Carroll Parish, to Spencer Bros., Minden, $31,179.

O., New Lexington—Improving 5 streets, to Stuart & Kiener, Bremen, $47,500.

Ind., Indianapolis—Marion Co., hardsurfacing 2.1 mi. Steinmeier Rd., 18 ft., to McCoun Constr. Co., Noblesville, $53,476. Engrs. est. $58,000. Noted Dec. 11.

Ind., Laporte—La Porte Co., concrete paving 2.3 mi. Haun Rd., and 1.6 mi. Bach Rd., to Gross Constr. Co., Laporte, $57,950 and $29,320 respectively. Engrs. est. $61,-000 and $32,000 respectively. Noted Dec. 11.

Mich., Detroit—To Otis Cement Constr. Co., 806 Hammond Bldg., grading and paving 2,140 sq.yd. Alley 2104 $5,338, 1,770 sq.yd. Alley 2105 $3,445, 1,520 sq.yd. Alley 2106 $3,379, 1,060 sq.yd. Alley 2107 $2,555, 1060 sq.yd. Alley 2108 $2,557, 505 sq.yd. Alley 2109 $1,388, 410 sq.yd. Alley 2110 $1,229, 350 sq.yd. Alley 2111 $1,046, 1,140 sq.yd. Alley 2112 $3,360, and 990 sq.yd. Alley 2113 $2,371.

Minnesota—State Hy. Dept., St. Paul, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, to D. H. Clough Co., 405 Palladio Bldg., Duluth, gravel surfacing 40,326 cu.yd. Two Harbors-Beaver Bay Rd., S. P. 1-01, Divs. 2, 3, 4 and 5, F. A. P. 282, $47,156, to Tobin & Maloney, Madison, S. D., 22,720 cu.yd. Crookston-Euclid Rd., S. P. 6-06, Sect. 1, F. A. P. 293, $32,474, 28,160 cu.yd. Hallock-Donaldson Rd., S. P. 6-39, Sect. 1, F. A. P. 332, $53,585, 32,640 cu.yd. Hallock-Noyes Rd., S. P. 6-39, Sect. 2, F. A. P. 333, $75,-040; to Super-Way, Inc., Fergus Falls, 36,960 cu.yd. Barnesville-Moorhead Rd., S. P. 64-24, F. A. P. 353, $69,031. Noted Dec. 4.

Kan., Phillipsburg—Phillips Co., grading, etc. 5,396 mi. Federal Aid Project 204-A and C, and 210-B, incl. one 20-ft. slab and one 30-ft. I-beam bridges, to Bump Constr. Co., Prairie View. $62,340.

Kan., Topeka—Shawnee Co., to Stimson Constr. Co., Topeka, 1 course concrete and vibrolithic concrete surfacing Dover Rd., Federal Aid Project 141, 3.942 mi. Sect. C, Contr. 1 $127,515, 2.555 mi. Sect. C, Contr. 2 $81,484, and 3.993 mi. Sect. D, Contr. 2 $123,035. Noted Nov. 6.

Kan., Wichita — City will surface 12 blocks Murdock Ave. from Wiley to Amidon Sts., macadam, by day labor. P. L. Brockway, city engr.

Neb., York—York Co. gravel surfacing 158,350 sq.yd. Federal Aid Project 56, to Allied Constrs., Inc., 404 Peters Trust Bldg., Omaha, $32,018.

Missouri—State Hy. Dept., Jefferson City, to V. E. Koch, Joplin, grading and 18 ft. concrete surfacing 12.422 mi. road from Boonville west, Cooper Co., $208,640, to W. H. Larson Constr. Co., Sioux Falls, S. D., 4.05 mi. road from Odessa east, Lafayette Co., $7,955, to C. H. Atkinson Paving Co., Watertown, S. D., 8.937 mi. St. Joseph-Cameron Rd., De Kalb Co., $20,668, to Davis Constr. Co., Boonville, 11.116 mi. Boonville-Rockport Rd., Howard Co., $9,672, to W. P. McGeorge Constr. Co., Pine Bluff, Ark., 9.981 mi. road from Jackson west, Cape Girardeau Co., $191,129, to W. F. Smith & Co., Rensselaer, Ind., 4.709 mi. road from Festus north $131,674, 4.903 mi. road from Festus north and south $135,709, 4.717 mi. Festus-Boone Terre Rd. $132,724, all Jefferson Co., to W. D. Lanergan Constr. Co., New Madrid, 7.794 mi. road from Warrenton west $111,890, 4.523 mi. road from Warrenton east $65,131, both Warren Co., to W. C. Johnson, Belleville, 4.443 mi. Carrollton-Waverly Rd., Carroll Co., $64,112, 8.821 mi. Festus-Boone Terre Rd. $255,274, 3.893 mi. St. Louis-Flat River Rd. $98,489, 4.053 mi. road from Boone Terre north and south $112,550, all St. Francois Co., to Dobson & Robinson, Lincoln, Nebr., 4.979 mi. Peculiar-Harrisonville Rd. $71,835, 4.974 mi. Belton-Peculiar Rd. $67,841, 4.992 mi. road from Peculiar north and south $60,045, all Cass Co., to S. J. Groves & Sons, Montreal and Cleveland Aves., Minneapolis, Minn., 15.158 mi. Sweet Springs-Booneville Rd. $291,418, 4.328 mi. road from Sweet Springs west $84,367, 4.994 mi. road from Sweet Springs east $97,969, all Saline Co., to Rouse Constr. Co., Cape Girardeau, 9.943 mi. road from Fredericktown east $185,444, 13.165 mi. Fredericktown-Jackson Rd. $286,093, both Bollinger Co., to Pickus Eng. & Constr. Co., St. Louis, 8.388 mi. Festus-Boone Terre Rd. $215,005, 8.363 mi. Kansas City-St. Louis Rd. $139,-752, both Lafayette Co., to A. L. Patterson & Co., Macon, Ga., 7.911 mi. road from Odessa east $120,520, 8.069 mi. road from Concordia west $125,045, 4.883 mi. Kansas City-St. Louis Rd. $72,760, all Lafayette Co.; to J. T. Cox, Bronson, 30 ft. grading 4.302 mi. road from Sparta east, Christian Co., $32,899, to R. P. Harper Constr. Co., Leona, Kan., 1.009 mi. road from Chillicothe south, Livingston Co., $21,758; to Summerfield-Jones, Billings, 12 ft. gravel surfacing 1.941 mi. road from Ava north, Douglas Co., $5,398, 16 ft. gravel surfacing 4.699 mi. Rogersville-Fordland Rd., Webster Co., $22,617; to C. C. Hayward, Shelbina, 16 ft. gravel surfacing 1.973 mi. road from Shelbina south, Shelby Co., $16,-251, 5.822 mi. Paris-Shelbina Rd., Monroe Co., $44,851, to Material Supply & Constr. Co., Boone, Ia., 2.097 mi. Lemons-Milan Rd., Sullivan Co. $6,475, 7.047 mi. road from Union north and south, Putnam Co., $19,-759, to W. C. Christeson, Dixon, 2.702 mi. road from Mt. Sterling east, Gasconade Co., $38,933, to Richmond Constr. Co., Advance. 2.216 mi. road from Bloomsdale north and south, St. Genevieve Co., $22,782. Noted Dec. 11.

Texas—See "Railways."

Tex., Albany—Shackelford Co., grading 15.55 mi. State Highway 23, Federal Aid Project 515, 73,949 cu.yd. roadway and 76,398 cu.yd. borrow excav., to Nelson & Van Eman, Cisco, $40,887; bridges on same, to Crouch & Nolen, Strawn, $84,266. Noted Dec. 11.

Tex., Dallas—Paving Harwood St., 2½ in. rock asphalt on 6 in. concrete, to Uvalde Rock Asphalt Co., Insurance Bldg., $3.08 per sq.yd. Engrs. est. $25,000.

Tex., Houston—See "Excavation, Drainage, Irrigation, Levees."

Tex., Linden—Cass Co., grading and concrete surfacing, etc., 4.99 mi. State Highway 48, Federal Aid Project 435-A, 9 ft. Sub., to Smith Bros., Inc., Amer. Exch. Bank Bldg., Dallas, $113,229. Engrs. est. $125,-990. Noted Dec. 4.

Tex., Wichita Falls—Wichita Co., grading, surfacing with gravel with asphalt topping and bridging, etc., 8.5 mi. Electra-Sunshine Rd., 16 ft., to Hill, Wilson & Watson, North Texas Bldg., Dallas, $113,400. Engrs. est. $140,000.

Okla., Blackwell—Grading and paving 14 blocks various streets, to Tyler & Pithlet, Blackwell, brick $3.65 per sq.yd., nad concrete $2.47 per sq.yd. Noted Oct. 9.

Colorado—State Hy. Dept., Denver, grading 5.295 mi. Federal Aid Project 279-B, Jefferson Co., to H. H. Brown, Salt Creek, Wyo., $78,164.

Idaho, Boise — City Council, City Hall, grading, paving, etc., approach to new Oregon Short Line Depot, to J. C. McGuire, Box 187, Idaho Falls, $84,358. Noted Dec. 11.

Calif., Fullerton—For 5 in. concrete paving Cedar, Oleander and Palm Sts., to G. H. Oswald, 366 East 58th St., Los Angeles, $43,155.

Calif., Inglewood—City Trustees improving Arbor Vitae St., 294,312 sq.ft. grading, 205,849 sq.ft. 5 in. Willite paving, to G. R. Curtis, 2440 East 26th St., Los Angeles, $49,050. Noted Dec. 4.

Calif., Los Angeles—Los Angeles Co., 8 and 9 in. concrete paving with disintegrated granite shoulders on Hawthorne Ave. between Riverside and Redondo Torrance Blvds., to J. Martin, 789 Lyon St., $34,861.

Calif., Los Angeles—Curbing, guttering, sidewalks, concrete paving, etc., Vincent St., to W. D. McCray, Amer. Bank Bldg., $46,025.

Calif., Pasadena — For 2 in. macadam paving, curbing, guttering, sidewalks, etc., on Old Mill Rd., to C. F. Mathews, 221 Braly Bldg., $26,325; curbing, guttering, sidewalks, etc., on Del Monte St., to R. E. Welch, 416 South West St., Anaheim, $16,175.

Calif., San Marino (Los Angeles P. O.)—Oil macadam paving and oil on concrete slab surfacing various streets, to J. E. Haddock, 357 North Chester St., Pasadena, $146,395. Noted Nov. 27.

Calif., Santa Ana—Orange Co. 6 in. concrete paving Santa Ana Canyon Blvd., to Griffith Co., Railway Bldg., Los Angeles, $49,757.

Man., Winnipeg—Dept. Pub. Wks., graveling Lord Selkirk Highway, to Great West Sand & Gravel Co., Winnipeg, $112,500.

Buildings—Industrial

PROPOSED WORK

Mass., Cambridge — Repair Shop and Garage—J. J. Shine, 1374 Mass Ave., plans repair shop and garage, Green St. $150,-000. Engineer and architect not selected.

Mass., Stoughton—Plant—Greb. Co., Inc., 173 State St., Boston, plans factory and machine shop (auto equipment), $40,000 or more. Engineer and architect not selected.

R. I., Limerock — Plant — B. K. Harris Lime Co., plans rebuilding plant, recently destroyed by fire. $50,000. Engineer and architect not selected.

N. Y., Blasdell—Plant—Seneca Iron & Steel Co. had plans prepared plant addition $700,000 Private plans

N. Y., Buffalo — Plant — Amer. Lithographic Co., F. J. Hackford, genl. mgr., 601 Amherst St., plans enlarging plant, Amherst St. $100,000.

N. Y., Niagara Falls—Factory—Whiting-Gram Motor Corp., Niagara Falls. plans factory. $100,000.

Pa., Phila.—Manufacturing—E. A. Rothschilds, archt., Bankers Trust Bldg., preparing plans 10 story and basement, 120 x 200 ft., rein.-con. and brick, plain foundation, 30th and Chestnut Sts. Owner's name withheld.

Pa., Reading—Factory—Reading Knob Wks., Greggs Ave., having plans prepared by C. B. Mengel, 1122 Penn St., Wyomissing 3 story and basement, 30 x 200 ft., brick, plain foundation.

O., Cleveland—Cupalo-Grabler Mfg. Co., W. S. Bayer, secy., 6565 Bway., had plans prepared by Christian, Schwarzenberg & Gaeda, 1900 Euclid Ave., 1 story, brick and steel, 6565 Bway. $40,000.

O., Massillon—Factory—Amer. Drilling Machine Co., plans 70 x 100 ft., steel and brick factory, Paul Farm, $75,000-$100,000.

Ill., Chicago — Factory — Central Mfg. Dist., 38 South Dearborn St., having plans prepared by A. Epstein, 2001 West Pershing Rd., 2 story and basement, 285 x 306 ft., rein.-con., brick and terra cotta, plain foundation, West 47th St. and Turner Ave. $250,000.

Buildings—Industrial (Continued)

Wash., Longview—Saw Mills, etc.—Long Bell Co. plans doubling capacity saw mills, planing mills, dryers, etc., also constructing 600 new dwelling houses, extending paving, gas, water and electric systems. $3,000,000 to $5,000,000. R. A. Long, pres.

BIDS DESIRED

Mass., Boston—Boiler House and Garage—Eastern Steam Laundry, 941 Massachusetts Ave., taking bids 1 and 2 story, 65 x 95 ft., brick and steel, Massachusetts Ave. $70,000. Lockwood, Greene & Co., 24 Federal St., engrs. and archts. Noted Aug. 7.

Mass., East Northfield — Laundry — Hotel Northfield, taking bids 1 and 2 story and basement, brick laundry buildings, $40,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts.

O., Cleveland—Factory-Schonberg Printing Co., D. Schonberg, pres., 1635 East 25th St., taking bids 1 story, 40 x 150 ft., brick, steel and concrete, 1635 East 25th St. $40,000. Private plans.

Wis., Milwaukee—Shop—Gurda & Gurda, archts., 448 Mitchell St., taking bids and opens same about Dec. 22, 2 story, 79 x 100 ft., brick and steel, plain foundation, Kilbourn Rd., for Maynard Electric Steel Castings Co., Kilbourn Rd. $40,000.

Calif., San Jose—Printing Plant, etc.—Wolf & Higgins, archts., Auzerais Bldg., taking bids 1 and 2 story and basement, rein.-con. printing plant and office building, 2nd and Santa Clara Sts., for W. L. Atkinson Co., et al., 28 East Santa Clara St. $40,000.

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.)—Foundry—Worthington Pump & Mchy. Corp., 200 Devonshire St., Boston, 1 story, 80 x 165 ft., addition, 3rd St., to T. Mulcare, 414 Mt. Auburn St. Archts. est. $40,000.

Mass., Worcester — Plant — Worcester Stamped Metal Co., 9 Hunt St., F. E. Billings, mgr., 2 story, 40 x 105 ft. plant addition, Foster St., to E. J. Cross Co., 82 Foster St. Archts. est. $40,000.

Mass., Worcester—Repair and Service Shop—S. Malkasion, 41 Forbes St., will build 1 story, rein.-con. and concrete blocks, Hitchcock St., by day labor. $40,000. J. Rustigian, 405 Main St., archt. Noted Nov. 13.

Conn., Hartford—Factory—J. F. Hueblein, 87 Portland St., 4 story and basement, 60 x 68 ft., brick and timber, Portland St., to Carlson & Torrell, 50 Dwight St., New Britain. Archts. est. $55,000.

Conn., Waterbury — Factory — Autotyre Co., Oakville P. O., 4 story and basement, 60 x 180 ft., rein.-con., and steel, Oakville Sect. to Tracy Bros. Co., Waterbury. Archts. est. $175,000.

N. Y., Buffalo—Plant—Houde Eng. Corp., 1392 West Ave., absorber plant, Winchester Ave., to F. G. Hanssel, Ellicott Sq. Bldg., $50,000.

N. J., Elizabeth—Plant—Singer Mfg. Co., Elizabethport, 1 story plant addition, to Bentley & Morrison Co., 128 Broad St., $50,000.

Pa., Kennett Square—Plant—Amer. Road Machine Co., Commercial Trust Bldg., Phila., 1 story and basement, 132 x 158 ft., brick and steel, plain foundation, to W. D. Haddock Co., 804 Orange St., Wilmington, Del. Noted Nov. 20.

Pa., Phila.—Factory, etc.—H. B. Smith Co., 17th and Arch Sts., 1 and 2 story and basement, 86 x 200 ft. and 60 x 60 ft. brick and steel factory and office buildings, 49th St. and Grays Ave., to J. Homan Co., 18th and Cherry Sts.

Pa., Scranton—Plant—Scranton Lace Co., 1 and 2 story and basemen,t 62 x 175 ft. and 57 x 123 ft., rein.-con. and brick, plain foundation, Glenn and Meylert Sts., to M. C. Tuttle, 826 Park Sq., Boston, Mass.

La., Sterlington—Plant—Arkansas Light & Power Co., Pine Bluff, Ark., rein.-con. power plant on Ouachita River, here, to Ford, Bacon & Davis Inc., engrs., 115 Bway., New York City, by force account, subletting some work to local men. Noted Oct. 23.

O., Akron—Factory—Goodyear Tire & Rubber Co., G. M. Stadelman, pres., East Market St., completing 5 story and basement, 160 x 530 ft., brick and steel, to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., Cleveland. Archts. est. $200,000.

O., Massillon—Blast Furnace, etc.—Central Steel Co., steel work for blast furnace and power plant, to Riter-Conley Co., Oliver Bldg., Pittsburgh, Pa. $5,000,000. Archts. est. $10,000,000. Noted July 17.

Mich., Detroit—Plant—Ward Baking Co., Southern Blvd. and St. Marys Ave., New York City, 2 and 3 story and basement, 149 x 396 ft., rein.-con., brick and steel, plain foundation, Toledo Ave., here, to Everett Winters Co., 1024 Book Bldg., about $1,000,000.

Ill., Bloomington—Plant—C. U. Williams & Sons, 207 West Washington St., will build 1 story, 96 x 300 ft., brick and steel heating plant, by day labor. $40,000. A. T. Simmons, c/o owner, archt.

Ill., Chicago — Boiler House, etc. — St. Scholastic Academy, 7430 Ridge Blvd., 2 story and basement, 44 x 100 ft., concrete and brick, plain foundation, boiler house, laundry and garage, to M. Raven, 111 West Washington St., Chicago. Archts. est. $50,000. Noted Sept. 11.

Wis., Cambria—Cannery—Cambria Canning Co., c/o H. Schimmel, pres., 3 story, 54 x 100 ft., brick and timber cannery, addition, 2 story, 60 x 210 ft., hollow tile warehouse, 1 story, 30 x 10 ft., timber viner shed, 1 story, 40 x 40 ft., brick boiler house, 1 story, 56 x 60 ft., brick cookroom, and 1 story, 32 x 62 ft., timber receiving room, to J. Kumm, Columbus. Archts. est. $150,000. Noted Nov. 13.

Wis., Cumberland—Cannery—Fame Canning Co., 111 West Washington St., Chicago, Ill., 3 story and basement, brick and timber, plain foundation, to Nyman Constr. Co., Cumberland. Archts. est. $125,000.

Ia., Waterloo—Plant—Hinson Mfg. Co., 922 Sycamore St., 1 story and basement, 60 x 100 ft. brick and concrete, to H. A. Maine Co., Marsh Place Bldg.

Mo., St. Louis—Plant—Mississippi Glass Co., 4070 North 1st St., will build 1 story, 62 x 208 ft., rein.-con. and brick plant, by day labor. $45,000. Carey & Esselstyne, 602 Hoffman Bldg., Detroit, Mich., archts. Noted Oct. 2.

Tex., Canyon—Ice Plant—Kelso-Wurdock Co., M. Kelso, mgr., will build ice plant, by day labor, $51,000. Private plans.

Tex., Galveston—Factory, etc.—G. W. Frazer, 2327 Bway., will build 2 story ice factory, and 2 story cold storage vault, rein.-con. and brick, by day labor. $42,000. Private plans.

Okla., Pawhuska — Ice Plant — W. D. Beard will build 1 and 2 story, 70 x 100 ft. rein.-con. plant, by day labor. $75,000. Private plans.

Que., St. Joseph D'Alma — Mill — Price Bros. Ltd., 73 St. Peter St., Quebec, pulp and paper mill, to W. I. Bishop, Ltd., 10 Catcart St., Montreal; structural steel, to Dominion Bridge, Ltd., Lachine, archts. est. $2,000,000.

Ont., Galt—Machine Shop—P. W. Gardiner & Son, Harris St., rebuilding 2 story, 36 x 80 ft. machine shop, Harris St., partly destroyed by fire, masonry contract, to H. Thomas & Sons, Galt; carpentry, to E. C. Hammill, Galt.

Ont., Ottawa—Power House—See "Buildings—Commercial."

Buildings—Commercial

PROPOSED WORK

Mass., Attleboro — Hospital — Sturdy Memorial Hospital, J. E. Sweet, pres., is raising $300,000 funds for hospital addition. Engineer and architect not selected.

Mass., Boston—Garage—Syndicate c/o R. M. Dobbins, 209 Washington St., having plans prepared by R. H. Doane, 162 Newbury St., 7 story and basement, 11,500 sq.ft. floor space, rein.-con., brick and steel. Bowdoin St. $350,000.

Mass., Cambridge — Apartment — S. Lilly, 21 Elmwood Park, Malden, & J. Silverman, 55 Hamilton St., Haverhill, plan apartment, Mass. Ave. and Chauncy St. $500,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.)—Mercantile and Storage—Erie Realty Trust, Erie St., having plans prepared by C. T. Main Co., 200 Devonshire St., Boston, 2 story and basement, 125x160 ft., brick and steel, Erie St., $240,000.

Mass., Lexington—Memorial—City having preliminary sketches by Kilham, Hopkins & Greeley, 9 Park St., Boston, for Careys Memorial Building. $500,000.

Mass., Worcester—Office—P. M. Duprey, 390 Main St., having plans prepared by J. Rustigian, 405 Main St., 34x82 ft., brick, steel and concrete, Norwich St. $160,000.

R. I., Cranston—High School—City, c/o A. M. Colvin, Phenix Ave., plans high school. $200,000. Engineer and architect not selected.

Conn., New Haven—School—City having plans prepared by R. W. Foote, 185 Church St., 2 story and basement, brick and steel, Shelton Ave. $270,000. Noted Aug. 14.

Conn., Waterbury—High School—Dept. Educ., plans high school. $500,000. B. W. Tinker, supt.

Conn., Windsor — School — School Com. plans 8 room addition to Wilson School, and 6 room addition to Windsor Center. D. Howard, supt. $150,000.

N. Y., Brooklyn—Apartments—Seventeenth Ward Realty Co., Inc., c/o Shampan & Shampan, archts. and engrs., 184 Montague St., having plans prepared two 104 x 206 ft. brick, steel and stone, plain foundations, East 21st St. $300,000 each.

N. Y., Brooklyn—Apartment—I. Silverman, c/o Seelig & Finklestein, archts., 44 Court St., having plans prepared 4 story, brick, steel and stone, plain foundation, Ocean Parkway. $200,000.

N. Y., Buffalo—Office—Schoelkoff & Pomroy, Marine Trust Bldg., having plans prepared by Esswein & Johnson, Ellicott Sq. Bldg., 4 story, 62 x 90 ft., rein.-con. and steel, Niagara St. $300,000.

N. Y., Buffalo—Office and Store—Bley & Lyman, archts., 250 Delaware Ave., prepared plans 2 story, 75 x 125 ft., rein.-con., brick and stone, Delaware Ave. $250,000. Owner's name withheld.

N. Y., Kenmore—Theatre—L. J. Rosen, Kenmore, having plans prepared by Plumer & Mann, Inc., 700 Main St., 2 story, 105 x 175 ft., rein.-con., brick and litholite, Delaware Ave. $300,000.

N. Y., New York—Apartment—One Hundred Twenty Three West 74th St. Corp., c/o G. A. Bagge & Sons, archts. and engrs., 299 Madison Ave., having plans prepared 9 story, 80 x 86 ft., brick, steel and stone, plain foundation, 121 West 74th St. $450,000.

N. Y., New York—Apartment—Three Hundred Fifty Three Lexington Ave. Corp., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 11 story, brick, steel and stone, plain foundation, 349 Lexington Ave. $500,000.

N. Y., New York — Apartment — Woe Realty Co., c/o Moore & Landseidel, archts. and engrs., 3rd Ave. and 148th St., making plans 88 x 100 ft., brick, steel and stone, plain foundation, Anderson Ave. near 166th St. $200,000.

N. Y., New York—Hospital—New York Assn. for Blind, 111 East 59th St., having plans prepared by Hunt & Hunt, 28 East 21st St., 20 x 100 ft., brick, steel and stone addition, plain foundation, 115 East 59th St. $200,000.

N. Y., New York—Hotel—R. Darrow, c/o H. J. Krapp, archt. and engr., 114 East 16th St., having plans prepared 15 story, brick, steel and stone, plain foundation, 224 West 49th St. $1,200,000.

N. Y., New York — Office — Gilman-Schlesinger Building Co., c/o G. G. Miller, archt. and engr., 1482 Bway., having plans prepared 9 story, brick, steel and stone, plain foundation, Arthur Ave. near Tremont Ave. $550,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave. had plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, 5 story, brick, steel and stone addition to P. S. 101, 105 East 11th St. $750,000.

N. Y., New York—Theater—J. Cort, c/o B. W. Levitan, archt., 100 East 42nd St., having sketches made brick, steel and stone, plain foundation, Bainbridge Ave. and Fordham Rd. $300,000.

N. Y. Poughkeepsie—Laboratory—Vassar College Raymond Ave., having plans prepared by Ewing & Allen 101 Park Ave., New York City, brick, steel and stone, plain foundation, $200,000.

N. J., Atlantic City—Hotel—Benjamin Franklin Hotel Co., c/o Maynicke & Franke, archts., 25 East 46th St., New York City, having plans prepared 220 x 327 ft. hotel, on Boardwalk, Providence and Boston Aves., here. Noted June 26.

N. J., Atlantic City—Hotel—W. G. Souders, 31 Nassau St., New York City, plans 11 story, 135 x 200 ft., brick, steel and stone, plain foundation, on Boardwalk and Albany Ave., here. $5,000,000.

N. J., Camden — Lodge — J. C. Jeffries, archt., 312 Market St., preparing revised plans and soon takes new bids 4 story and basement, 81 x 166 ft., brick and steel, plain foundation, 7th and Cooper Sts., for B. P. O. E. 293, Bway. and Federal Sts. Former bids rejected.

N. J., Jersey City—Warehouse—Natl. Grocery Co., 480 Montgomery St., soon takes bids 5 story, rein-con., brick and steel, plain foundation, Mercer St. $500,000. R. W. Sailer, 76 Montgomery St., archt. and engr.

N. J., Newark—Exposition—Permanent Industrial Exposition of Newark, c/o F. Grad, archt., 1023 Broad St., having plans prepared 6 story, 200 x 300 ft., brick, steel and stone, plain foundation, South Broad St. $2,000,000.

N. J., Newark—School—Bd. Educ., City Hall, soon takes bids brick, steel and stone, plain foundation, Richelieu Terrace. $200,000. F. S. and S. E. Sutton, 402 Broad St., archts. and engrs.

Pa., Lansdowne — Apartments — W. H. Lee, archt., 1505 Race St., preparing plans three 3 story and basement, 30 x 350 ft., brick and steel, plain foundation. Owners name withheld.

Buildings—Commercial (Continued)

Pa., Lewiston—Home—Comrs. Mifflin Co., Court House, having plans prepared by Hersh & Sholler, Commerce Blk., Altoona, 2 story and basement, 100 x 150 ft., brick and hollow tile. $150,000.

Pa., State College—Theatre—M. Baum, State College, having plans prepared by Hodgen & Hill, 130 South 15th St., Phila., 3 story and basement, 69 x 115 ft., steel, hollow tile and terra cotta. $150,000.

Md., Baltimore — Apartment — Roland Park Apartments Co., c/o E. L. Palmer, archt., 513 North Charles St., having plans prepared 5 story and basement, 120 x 250 ft., brick and steel, plain foundation, Upland and Club Rds. $900,000.

Md., Baltimore—Warehouse—See "Unclassified."

D. C., Wash.—Apartment—Barney Robins Investment Co. having plans prepared by H. H. Warwick, 14th and K Sts. N. W., apartment house. $250,000.

D. C., Wash.—Capitol—Dist. Comrs. had sketches made by D. Lynn, Capitol, and Carrette & Hastings, 52 Vanderbilt Ave., New York City, improving and changing Senate Chamber. $450,000.

Ga., Atlanta—Hospital—Georgia State Baptist Convention authorized issuing $500,000 bonds for hospital, M. H. Massey, Americus, chn.

Tenn., Kingsport—Schools—Voted $250,000 bonds for schools.

O., Cleveland—Store, Office and Garage—Superior-Ninth Sq. Realty Co., L. Abrams, Engineers Bldg., had plans prepared by J. F. Steffens, Fidelity Mortgage Bldg., 4 story (ultimately 6 story), brick, steel and concrete, East 9th St. and Superior Ave. $500,000. Noted Mar. 20.

Ill., Chicago—Apartment—J. Nordlind, 1406 East 75th St., having plans prepared by T. R. Bishop, 38 South Dearborn St., 3 story and basement, 108 x 126 ft., brick and stone, plain foundation, East 72nd and Ridgeland Sts. $150,000.

Ill., Chicago—Apartment Hotel—Twenty East Elm St. Corp., E. Weinhoeber, pres., 22 East Elm St., having plans prepared by W. P. Doerr, 28 East Jackson Blvd., 17 story and basement, 100 x 103 ft., rein.-con. brick and steel, caisson foundation, 20 East Elm St. $1,000,000.

Ill., Chicago—Apartment—E. E. Kahn, c/o E. Steinborn, archt., 111 North Dearborn St., having plans prepared 3 story and basement, 325 x 343 ft., brick and stone, plain foundation, 5th Ave. and West Adams St. $200,000.

Ill., Chicago—Apartment—C. W. Morris, 111 West Washington St., having sketches made 3 story and basement, Winthrop and Thorndale Aves. $500,000. Engineer and architect not selected.

Ill., Chicago — College — Northwestern University, c/o W. D. Scott, pres., Evanston, having plans prepared by J. G. Rogers, 367 Lexington Ave., New York City, 8 college buildings, East Chicago Ave. and Michigan Blvd., here. $10,000,000. Lowe & Bollenbacher, 108 La Salle St., associated archts.

Ill., Chicago—Community Center—Jewish Peoples Institute, 1258 Taylor St., plans 2 story and basement, 147 x 188 ft., Douglas and St. Louis Aves. $150,000. Engineer and architect not selected.

Ill., Danville—Church and Sunday School—St. James Methodist Episcopal Congregation having preliminary plans prepared by H. E. Skadder, 519 Temple Bldg., 1 and 2 story and basement, Indiana limestone, concrete and steel, Williams and Vermillion Sts. $250,000. T. N. Ewing, pastor.

Minn., St. Paul—Schools—Hamline University, S. F. Kerfoot, pres., Snelling and Hewitt Aves., plans several buildings, Midway St. $1,500,000 funds being raised. Engineer and architect not announced.

Neb., Omaha—High School—Bd. Educ., c/o W. T. Bourke, 1707 Park Ave., having preliminary plans prepared by J. Latenser & Sons, 732 Peters Trust Bldg., 3 units South High School addition. $675,000 to $800,000.

Mo., St. Louis—Apartment, etc.—J. J. Steffen, 2637 Minnesota Ave., having preliminary plans prepared by Wedemeyer & Nelson, Wainwright Bldg., 1 and 3 story and basement, 120 x 150 ft., rein.-con. and brick, apartment, store and garage, Southwood and LeMun Sts. $150,000.

Mo., St. Louis—Dance Hall, etc.—H. Albers, 2839 Olive St., making plans 3 story and basement, 125 x 134 ft., rein.-con., brick and stone Olive St. Private plans.

Mo., St. Louis—Hotel—D. Israel, c/o Princess Hotel, 14 North 18th St., making preliminary plans remodeling renovating present hotel and constructing 200 room, rein.-con. and brick addition, Vanderventer Ave. and West Belle Pl. $200,000. Private plans.

Mo., St. Louis—Theatre, etc.—W. Goldman, et al., c/o Kings Theatre, Kingshighway near Delmar Blvd., soon takes bids 3 story and basement, rein.-con., brick and stone theatre, store and apartment, Union St. near St. Louis Ave. $200,000. E. P. Porter, 6142 Plymouth Ave., archt.

Tex., Amarillo—Hospital—G. A. Carlander, archt., 15 Massie Bldg., preparing plans and soon takes bids 3 story, tile, marble, etc., hospital, here, for J. P. Kaster, ch. surgeon, 6th and Jefferson Sts., Topeka, Kan.

Tex., Breckenridge — Courthouse — Stephens Co. election Jan. 10, $250,000 bonds, courthouse, Main St. C. E. Ritchey, co. judge. Engineer and architect not announced.

Tex., Bowie—School—Election Dec. 27, $175,000 bonds, for new high school. J. S. Schroulder, secy. Bd. Educ. Engineer and architect not announced.

Tex., Dallas—Office and Theatre—Lang & Witchell, archts., Amer. Exch. Bldg., soon takes bids 20 story and basement, 100 x 100 ft., rein.-con., brick and steel, plain foundation, Elm St., for Singer & Bissinger Co., c/o Queen Theatre Bldg. $1,000,000.

Tex., Denton — College — North Texas State Teachers College, M. O. Flowers, pres., plans college. Engineer and architect not selected.

Tex., Laredo—Hotel—Hamilton Hotel Co. plans 10 story, 304 room, brick and rein.-con. hotel. $400,000. Engineer and architect not announced.

Tex., San Antonio—Courthouse and Jail—Bexar Co., A. McCloskey, judge, plans addition. $1,500,000. Engineer and architect not selected.

Tex., Temple — Schools — Election soon $300,000 bonds for new schools. O. F. Gober, pres. Bd. Educ.

Wash., Longview—Library, City Hall, etc.—City plans extensions and improvements, consisting of library, City Hall, depot, civic center, etc. $1,000,000 donation.

Calif., Los Angeles—Bank and Office—Bank of Italy, Bank of Italy Bldg., plans 2 story bank and office building, Hollywood Blvd. and Vermont St. $150,000.

BIDS DESIRED

Mass., Boston—Apartment—Three Hundred Ninety Beacon St., Inc., c/o C. A. Isenback, 120 Milk St., taking bids 11 story and basement, 145 x 150 ft., brick and steel, 390 Beacon St. $1,500,000. J. C. Spofford, 36 Bromfield St., archt.

Mass., Boston—Store and Apartment—Shawmut Real Estate Trust, c/o Coolidge, Shelpey, Bulfinch & Abbott, archts., Ames Bldg., taking bids remodeling 6 story and basement, 40 x 140 ft., Massachusetts Ave. and Dundee St. To exceed $150,000.

Mass., New Bedford—Hospital—Dec. 19, by St. Lukes Hospital Corp., T. S. Hathaway, pres., Allen St., superstructure 2 story and basement, brick and cast stone, Allen and Page Sts. $160,000. Stevens & Lee, 45 Newbury St., Boston, archts. Noted Dec. 11.

Conn., Bridgeport—Store—D. M. Read Co., 1102 Main St., taking bids 6 story and basement, 115 x 207 ft., rein.-con., brick and steel, plain foundation, Broad St. $1,000,000. Monks & Johnson, 99 Chauncy St., Boston, Mass., archts. J. W. Northrup, 211 State St., associated archt. Noted Nov. 13.

N. Y., Brooklyn—School—Jan. 6, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., P. S. 105, Ft. Hamilton Ave. between 58th and 59th Sts., for Bd. Educ., 500 Park Ave., New York.

N. Y., New York—Bank and Office—Fred T. Ley Co., 19 West 44th St., will build 20 story, brick, steel and stone, plain foundation, 57th St. and Madison Ave. Work will be done by separate contracts. Private plans.

N. Y., New York—School—Dec. 24, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 81, Riverdale Ave. between 255th and 256th Sts., here, for Bd. Educ., 500 Park Ave.

N. Y., New York—School—Dec. 30, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 116, 33rd St. near 3rd Ave., here, for Bd. Educ., 500 Park Ave.

N. J., Delanco — School — Dec. 22, by Heverley Twp. Bd. Educ., 1 story and basement, 103 x 239 ft., and 67 x 76 ft., rein.-con. and brick, plain foundation. $300,000. H. Ziegler, 17 Washington St., Riverside, archt.

N. J., Trenton Junction (Trenton P. O.)—School—Dec. 29, by Guilbert & Betelle, archts., Commerce Bldg., Newark, concrete and brick school building, shop, laundry and superintendent's house here, for Jersey School for Deaf. $300,000.

Pa., Easton—Club House—Dec. 23, by Thomas, Martin & Kirkpatrick, archts., 1422 South 16th St., Phila., 2 story and basement, 60 x 158 ft., brick, stone and steel, plain foundation, South 4th St., for Loyal Order Moose. $150,000.

Pa., Phila.—Apartment—Dec. 23, by Apartment Homes, Inc., 518 Stock Exch. Bldg., 5 story and basement, 53 x 104 ft., brick and steel, plain foundation, 4035 Chestnut St. $200,000. Watson Eng. Co., Cleveland, O., engrs.

Pa., Phila.—Warehouse—Dec. 19, by G. S. Kingsley, archt., 1452 Bway., New York City, 3 story and basement, 38 x 125 ft., rein.-con. and brick, plain foundation, Allison and Market Sts., for Advance Storage Co., 13 North 59th St. $150,000.

Pa., Phila.—Warehouse—Dec. 22, by G. S. Kingsley, archt., 145 West 41st St., New York City, 3 story and basement, 38 x 125 ft., rein.-con. and brick, plain foundation, Allison and Market Sts., here, for Advance Storage Co., 13 North 59th St. $150,000.

Del., Wilmington—School—Dec. 24, by F. R. Watson, archt., 1211 Walnut St., Phila., Pa., 3 story and basement, 50 x 105 ft., brick, stone and steel, plain foundation, 6th and Tatnall Sts., here, for St. Peters Cathedral, J. J. Dougherty, pastor.

Fla., St. Petersburg — Warehouse — See "Unclassified."

O., Cincinnati—Hospital—Dec. 29, by S. Hannaford & Sons, archts., 1024 Dixie Terminal Bldg., 6 story and basement, rein.-con. and brick, plain foundation, Middleton Ave., for Bethesda Hospital, 122 East 4th St. $600,000.

O., Cleveland—Nurses Home—Dec. 30, by Lakeside Hospital, c/o M. P. Potter, secy. Building Com., Adelhert Rd., 10 story and basement, 70 x 166 ft., brick, steel and concrete, Cummington Rd. $750,000. Coolidge, Shepley and Bullfinch & Abbott, 122 Ames Bldg., Boston, Mass., archts.

O., Massillon—Temple—B. P. O. E. 321, and Albrecht, Wilhelm & Kelly, archts., Euclid Ave., Cleveland, taking bids 2 story and basement, brick and steel addition. $150,000.

Mich., Highland Park (Detroit P. O.)—Library—Dec. 29, by D. C. Gowing, city clk., 20 Gerald Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Woodward and Massachusetts Aves. $500,000. Tilton & Githens, 141 East 45th St., New York City, archts.

Mich., Pontiac—School—Dec. 23, by R. Hazelton, bus. mgr. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Summitt St. $150,000. Malcomson & Higginbotham, 1217 Griswold St., Detroit, archts.

Ill., Chicago—Apartment—C. W. Morris, 111 West Washington St., taking bids 3 story and basement, 150 x 150 ft., brick and stone, plain foundation, Winthrop and Thorndale Aves. $300,000. Hooper & Janusch, 879 North State St., archts. and engrs.

Ill., Chicago—Church—Ivar Viche-Naess & Co., archts., 400 North Michigan Ave., taking bids 3 story and basement, 75 x 125 ft., brick, plain foundation, Greenleaf and Greenview Aves., for Rogers Park Presbyterian Church, c/o C. G. Richards, 7047 North Ashland Ave. $250,000.

Ill., Chicago—Garage—D. S. Klafter, archt., 64 West Randolph St., taking bids 5 story and basement, 75 x 100 ft., rein.-con. and brick, plain foundation, 925 West Kinzie St., for Kinzie Bldg. Corp., 64 West Randolph St. $250,000. Noted July 10.

Ill., Pekin—High School—Dec. 22, by H. J. Albertson, secy. Bd. Educ., two 3 story, 40 x 130 ft., brick and concrete wing additions. $150,000. Royer, Danely & Smith, Flat Iron Bldg., Urbana, archts. Noted Sept. 25.

Ill., St. Charles—Theatre—L. J. Norris, 16 West Main St., taking bids general contract 2 story and basement, 50 x 200 ft., concrete, brick, stone and terra cotta. $150,000. E. F. Behrens, 605 North Michigan Ave., Chicago, archt. Contract for foundation awarded to M. A. Lehman, St. Charles.

Wis., Wauwatosa—Dormitory—Jan. 14, by Bd. Trustees Milwaukee Co. Institutions, W. Coffey, mgr., 3 story and basement, brick and concrete, plain foundation. $350,000; R. Messmer & Bro., 221 Grand Ave., Milwaukee, archt. Noted Aug. 7.

Wis., West Bend—High School—Dec. 29, by School Dist. No. 1, F. W. Bucklin, clk., 2 story and basement, brick and tile, plain foundation. $200,000. Foeller, Schober & Stephenson, Nicollet Bldg., Green Bay, archts. Noted July 31.

Buildings—Commercial (Continued)

Minn., St. Paul—School—Dec. 23, by H. W. Austin, city purch. agt., 3 and 4 story and basement, rein.-con., tile, brick and stone, East 3rd and Earl Sts. $300,000. F. X. Tewes, city archt.

Tex., Houston—Auditorium—O. F. Holcomb, mayor and A. C. Finn, archt., Bankers Mortgage Bldg., taking bids remodeling and constructing addition to auditorium, Main St. $300,000. R. J. Cummins, Bankers Mortgage Bldg., engr. Noted Nov. 13.

Tex., Houston—High School—H. L. Mills, bus. mgr. Bd. Educ., 1600 Washington Ave., and W. W. Watkins, archt., Scanlan Bldg., taking bids 3 story and basement, rein.-con. and brick addition, plain foundation. $400,000. R. J. Cummins, Bankers Mortgage Bldg., engr.

Calif., Los Angeles—Church—N. F. Marsh, archt., 211 Bway. Central Bldg., taking bids 2 story and basement, 120 x 130 ft., brick, 24th St. and Griffith Ave., for Second Baptist Church. Noted Nov. 13.

Calif., Los Angeles—Club—E. Bergstrom, archt., Citizens Natl. Bank Bldg., taking bids 13 story and basement, steel and concrete, Wilshire Blvd. between Coronado St. and Corandelet Blvd., for Southern California Athletic & Country Club.

Calif., Los Angeles—Hotel—Noerenberg & Johnson, archts., Railway Bldg., taking bids 4 story and basement, 60 x 175 ft., brick, North San Pedro St., for S. Fukui, et al., c/o architects.

Calif., Los Angeles—Store and Loft—Curlett & Beelman, archts., Union Bank Bldg., taking bids 11 story and basement, 107 x 330 ft., steel, brick and concrete, 7th St., for Sun Realty & Investment Co., c/o architects. Noted Oct. 23.

Calif., Sacramento—Exchange—Bliss and Faville, archts., Balboa Bldg., San Francisco, taking bids for excavation, piling and structural steel for 6 story and basement, brick and concrete, K St., for Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco. $400,000.

Calif., Sacramento—Terminal—Dean & Dean, archts., City Library Bldg., taking bids two 1 story, rein.-con. and brick, 16th and North C Sts., for Sacramento Produce Terminal, c/o architects. $120,000. Noted Dec. 4.

Ont., Ft. William—Collegiate—R. E. Mason, archt., taking bids 3 story and basement, 15 room, rein.-con., brick and steel, plain foundation, for Bd. Educ. $200,000.

BIDS RECEIVED

Conn., Hartford — Office — Bd. Water Comrs., City Hall, brick, steel and timber office building, Homestead Ave., from Industrial Constr. Co., 721 Main St., $154,480.

N. Y., Brooklyn—Police Station—Police Dept., Municipal Bldg., New York, constructing 92 Police Precinct Station House, Bergen St. and 6th Ave., here, from G. F. Driscoll Co., 30 Church St., New York City, $474,950.

N. Y., New York — Magistrates Court House—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., Dec. 10, general contract court house, East 161st St., Brook and Washington Aves., from T. A. Reilley Co., 48 East 41st St., $192,000 plus $2,200.

D. C., Wash.—School—Dist. Comrs., constructing J. F. Cook School, P and 1st Sts., from Skinker Garrett, 1416 F St., (1) $237,951, alternate 1 add $450, alternate 2 add $3,950. Noted Nov. 20.

Pa., Allentown—School—Bd. Educ., T. P. Wenner, secy., Administration Bldg., 2 story and basement, 124 x 172 ft., brick and steel, plain foundation, Plymouth and Washington Sts., from F. McLeister, 1615 Spruce St., Phila., $169,172.

O., Cleveland — Garage — City, W. S. Ferguson, dir. Pub. Serv., City Hall, 1 story, 170 x 191 ft., brick, steel and concrete, Dell Ave., from Schrader Constr. Co., Euclid-46th Market Bldg., $131,713. Noted Nov. 13.

Ia., Ames—Home Economics—State Bd. Educ., State House, Des Moines, Dec. 4, general contract 2 story and basement, rein.-con., brick, steel and stone, at Iowa State College, here, from J. and W. A. Elliott Co., 906 Lumber Exch., Minneapolis, Minn., $383,870. Noted Nov. 20.

Ia., Cedar Rapids—Hospital—St. Lukes Hospital, c/o T. R. Warringer, chn. Building Comn., 119 2nd Ave., general contract 4 story and basement, 40 x 150 ft., rein.-con.-brick, tile and stone addition, A Ave. and North 11th St., from Lightner Bros., 34 2nd Ave. W., $188,450. Noted Nov. 27.

Wash., Tacoma—School—Bd. Educ., Dec. 5, 2 story, rein.-con., South 21st and I Sts., from Barbleson & Ness, Tacoma. $236,000. Noted Oct. 9.

CONTRACTS AWARDED

Mass., Boston—Apartment—D. Yarchin et al, 11 Elm Hill Park, Roxbury, will build, 5 story and basement, 65 x 200 ft. brick and steel, 70-74 Fenway St., by day labor. $200,000. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts.

Mass., Boston—Garage—J. Shapiro & Son, 27 School St., 3 story and basement, 63,000 sq.ft. floor space, brick and steel, 1168 Commonwealth Ave., to P. Rich & Son, 3 Tremont Row. Archts. est. $550,000.

Mass., Boston—Theatre—C. T. Young, c/o O'Meare & Lynch, 636 Warren St., Roxbury, will build 3 story, 130 x 240 ft., brick, Warren and Dudley Sts., here, by day labor, under supervision of Tuck & Co., archts., 636 Warren St., Roxbury. $250,000. Noted Oct. 30.

Mass., Dorchester (Boston P. O.)—School—Schoolhouse Dept., Boston, F. V. Thompson School, 2 story and basement, 85 x 140 ft., brick, stone and limestone, plain foundation, Maxwell and Seldon Sts., to McDonald & Imhoff, 164 Dudley St., Roxbury, $195,000. Noted Dec. 11.

Mass., Medford—Temple—Mt. Herman Lodge of Masons. 4 story and basement, 45 x 55 ft., rein.-con. and brick, High St., to F. C. Alexander Co., 294 Washington St., Boston. Archts. est. $150,000. Noted Nov. 27.

Mass., Fall River—School—City, 2 story and basement, brick and stone, Columbia St., to Carey & Quarry Constr. Co., 56 North Main St., $117,514. Engrs. est. $150,000. Noted Oct. 30.

Mass., Fall River—School—City, general contract, 1 story and basement, 138 x 172 ft., concrete, brick and stone addition to Anthony School, to C. H. Hodgate Co., 370 Bedford St., $119,700. Noted Sept. 4.

Mass., Lowell — Court House — Comrs. Middlesex Co. (Cambridge), 2 story and basement, rein.-con. and brick, Hurd St., here, to E. W. Douglas, 106 Saunders St., Lowell, for Commonwealth of Massachusetts. $136,429. Noted Dec. 11.

Conn., Groton — Home — Grand Lodge I. O. O. F., 3 story and basement, 100 x 368 ft., brick and stone, at Fairview, to W. R. Muirhead, 1024 Main St., Bridgeport. Archts. est. $275,000. Noted Aug. 7.

Conn., Hartford—Apartment—Ferrigno & Perrone, 99 Magnolia St., will build 4 story, 54 x 231 ft., brick and steel Wethersfield Ave., by day labor. $450,000. Private plans.

Conn., Hartford—Garage and Service Station—H. K. Noyes & Sons, (owner and engineers), Pearl St., will construct general contract, 2 story, 100 x 350 ft., brick and steel, Washington St., by day labor. $182,500. Noted Sept. 18.

Conn., Hartford—Store and Office—M. Fox Co., 534 Prospect Ave., 8 story, store and office building, Pratt and Trumbull Sts., to J. C. Stewart, Inc., 17 East 42nd St., New York City. Archts. est. $800,000.

N. Y., Coney Island (Brooklyn P. O.)—Church—Roman Catholic Church of Our Lady of Solace, West 17th St. and Mermaid Ave., 2 story, brick, steel and stone, with 14 story tower, plain foundation, to P. J. Hoey Co., 166 Montague St., Brooklyn. Archts. est. $200,000.

N. Y., New York—Apartment—F. and H. Building Co., 25 West 45th St., 15 story, brick, steel and stone, plain foundation, 76th St. and Amsterdam Ave., to Frymier & Hanna, 25 West 45th St.

N. Y., New York—Church—Wadsworth Ave. Baptist Church, 2737 Kingsbridge Terrace, brick, steel and stone, plain foundation, Wadsworth Ave. and 184th St., to F. H. Wakeham Co., 2 West 47th St. Archts. est. $200,000.

N. Y., New York—Office and Warehouse—T. C. Penney Co., Inc., 370 7th Ave., 18 story, rein.-con., brick and steel, plain foundation, 9th Ave. and 34th St., to Starrett Bros., 101 Park Ave. Archts. est. $4,000,000.

N. Y., New York—Store and Office—M. Natanson, 522 5th Ave., 4 story, brick, steel and stone, plain foundation, Nassau St., to G. R. Davis, 3 East 42nd St. Archts. est. $200,000.

N. Y., New York—Theatre—S. Vogel and M. Halperin, c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., will build 152 x 190 ft., brick, steel and stone, plain foundation, East Tremont Ave., by day labor.

Md., Baltimore — Apartment — Roland Park Apartments Co., c/o E. L. Palmer, archt., 513 North Charles St., 5 story and basement, 120 x 250 ft., brick and steel, plain foundation, Upland and Club Rds., to M. A. Long Co., 17 Guilford Ave., $900,000. Noted Dec. 18.

Pa., California—School—Bd. Educ. Pike Run Twp., general contract 2 story and basement, 84 x 183 ft., brick, tile and stone, to Harris Constr. Co., California. Archts. est. $150,000. Noted Nov. 20.

Ala., Birmingham — Office — Southside Impvt. & Development Co. 10 story and basement, 50 x 100 ft., concrete, rein.-con. and steel, Ave. C and 20th St., to C. M. Allen & Son, 2025 3rd Ave., $300,000.

O., Akron—Theatre and Arcade—Main and High Realty Co., 2 story and basement, 40 x 118 ft., South High St., to Carmichael Constr. Co., 52 Central Savings and Trust Bldg. Archts. est. $1,000,000. Noted Nov. 6.

O., Alliance—Commercial—L. L. Lamborn, North Union Ave., 3 story and basement, 50 x 260 ft., brick, steel and concrete, Main St., to A. F. Wendling Co., Massillon. Archts. est. $150,000. Koch Bros., 436 East Main St., lessee. Noted Nov. 27.

O., Cleveland — Apartment — S. Kraus, 8902 Kenton Ave., 3 story and basement, 66 x 130 ft., brick and timber, 854 Lakeview Rd., to Goldman & Wasserman, 11108 Kinsman Rd. Archts. est. $150,000. Noted Dec. 11.

O., Cleveland—Commercial, Lodge and Dance Hall—Banner Hall Co., c/o O. N. Chamberlain, archt., 1222 West Clifton Rd., Lakewood, 3 story and basement, 82 x 132 ft., brick and steel, West 120th St. and Lorain Ave., to N. Fetzer, 2230 Denison Ave. Archts. est. $150,000.

Ind., Terre Haute — Administration — Citizens Gas & Fuel Co., 636 Wabash Ave., 4 story and basement, rein.-con. and brick, Wabash Ave., to W. Caton & Son, 627 Cherry St. Archts. est. $200,000.

Mich., Detroit—Garage—Whitney Estate, David Whitney Bldg., 4 story (ultimately 12 story) and basement, 100 x 200 ft., rein.-con. and brick, plain foundation, Adams Ave. and Randolph St., to A. A. Albrecht Co., 1130 Penobscot Bldg. Noted Nov. 6.

Mich., Detroit—School—Bd. Educ., 1354 Bway., general contract, 2 story and basement, 108 x 150 ft., rein.-con., brick and steel, plain foundation, Indiandale Ave., to F. N. Cooper, 6370 Gratiot Ave., $120,718, steam heating equipment, etc., to J. W. Partlan, 1255 West Park Pl., $53,940. Noted Dec. 11

Mich., Detroit—School—C. A. Gadd, bus. mgr. Bd. Educ., 2 story and basement, 110 x 140 ft., rein.-con., brick and steel, plain foundation, Marlborough Ave., to Rosewarne, McNabb & Worswick, 1120 South Beaumont Ave., about $175,000. Noted Nov. 13.

Mich., Detroit—Theater and Office—Plans Realty Co., 1714 Ford Bldg., 12 story and basement, 106 x 235 ft. rein.-con., brick and steel, plain foundation, Woodward Ave., to Longacre Eng. & Constr. Co., 345 Madison Ave., New York City. Archts. est. $2,000,000.

Mich., Wyandotte — Hospital — Michigan Alkali Co., 4 story and basement, 45 x 200 ft., rein.-con. and brick, plain foundation, to Walbridge Alldinger Co., 2356 Penobscot Bldg., Detroit, about $200,000. Noted Dec. 4.

Ill., Cicero—Apartment—Glabman Bros., 833 Maxwell Ave., Chicago, 2 story and basement, 125 x 135 ft., brick and concrete, 22nd and 59th Sts., to J. Tiff, 4922 North Ridgway St., Chicago. Archts. est. $150,000.

Ill., East St. Louis—Hospital—St. Marys Hospital, 7th St. and Missouri Ave., general contract 4 story and basement, 210 x 258 ft., brick and concrete addition, to F. X. Kratzer, 3007 Hawthorne Pl., on cost plus percentage basis. Archts. est. $300,000. Noted Apr. 3.

Kan., Newton—Office—Railroad Building & Loan Assn., general contract 2 story and basement, 50 x 150 ft., concrete, brick and stone, to Ellis & Singleton, Wichita; plumbing and heating, to Sanitary Plumbing Co., Newton. Archts. total est. $150,000. Noted Nov. 27.

Mo., St. Louis—School—Bd. Educ., general contract 2 story and basement school for St. Louis Training School for Feeble Minded, at Scott Farm, to J. Hill Constr. Co., Syndicate Trust Bldg., $106,467. Noted Dec. 11.

Tex., Ft. Worth—Office—Ft. Worth Club Building Assn., c/o Ft. Worth Club Bldg., 12 story and basement, 100 x 200 ft., rein.-con., brick and steel, plain foundation, 7th St., to Bellows & McClay, 1st Natl. Bank Bldg., cost plus percentage basis. Archts. est. $1,250,000. Noted Sept. 4.

Tex., Ft. Worth—Store—W. Monnig Dry Goods Co., 1302 Main St., remodeling 3 story and basement, 100 x 200 ft., rein.-con. and brick, plain foundation, 5th St., to Butcher & Sweeney, 806 Taylor St., cost plus percentage basis. Archts. est. $300,000. Noted Oct. 2.

Tex., Houston—Art Museum—Houston Museum of Fine Arts, J. T. Scott, secy., 2 story and basement, brick and stone wings Main St., to Tellepsen Constr. Co., 4100 Clay St., $148,600. Noted May 1.

Tex., Houston—Bank and Office—Pub. Natl. Bank., 401 Main St., 12 story and basement, Main St., to Southwestern Constr.

Buildings—Commercial (Continued)

Co., West Bldg., cost plus percentage basis. Archts. est. $350,000.

Colo., Denver—Bank—Graham, Anderson, Probst & White, archts., 416 Federal Reserve Bank Bldg., Kansas City, Mo., 3 story and basement, 68 x 125 ft., rein.-con., brick and Tennessee marble, 7th and Arapahoe Sts., here, to C. S. Lambie Co., Tramway Bldg., for Federal Reserve Bank, 10th St. and Grand Ave., Kansas City, Mo., $390,000. Noted Oct. 30.

Calif., Lawndale — Catacombs — Cypress Lawn Cemetery Assn., 995 Market St., San Francisco, will build rein.-con. and steel addition, here, by day labor and subcontracts. $200,000. B. J. J. Cahill, 357 12th St., Oakland, archt.

Calif., Los Angeles—Exch. Bldg.—Southern California Telephone Co., Olive St., 3 story and basement, 73 x 80 ft., rein.-con., brick and steel, Vermont Ave. near Sunset Blvd., to MacDonald & Kahn, Spring Arcade Bldg. $155,700.

Calif., Los Angeles—Store and Temple—R. Kitts, archt., 1537 South Hoover St., 2 story, 100 x 150 ft., brick and steel, Orchard St. and Pico Blvd., to H. C. Jensen, 1728 West Moreland Blvd., for Sunset Lodge 352, F. and A. M., J. H. Bell, master, 326 California Bldg. Approximately $155,000.

Calif., Oakland—Apartment—G. Jamieson, c/o M. I. Diggs, archt., 19th St. and Telegraph Ave., will build 12 story and basement, Class A, Lake Merritt Dist., by day labor. Archts. est. $750,000. Noted Sept. 11.

Calif., San Francisco — Apartment — E. Fritz, c/o E. E. Young, archt., 251 Kearny St., steel contract for 8 story and basement, 150 x 160 ft., brick, steel and terra cotta, Mason and Sacramento Sts., to Central Iron Wks., 2050 Bryant St.

Calif., San Francisco—Apartment—L. D. Stoff, 1035 Sutter St., will build 6 story and basement, rein.-con., Post St., by day labor. $150,000.

Calif., San Francisco—Apartment—H. C. Smith, archt., Humboldt Bank Bldg., for 450 tons structural steel for 12 story and basement apartment, to Judson Mfg. Co., 604 Mission St., for Twenty-Four Ninety Jackson St. Corp., c/o architect. Noted Dec. 4.

Calif., San Francisco—Hotel—Fabre and Hildebrand, archts., 110 Sutter St., 6 story and basement, rein.-con. and brick, Eddy and Jones Sts., to G. P. W. Jensen, 320 Market St., for A. Vayssie. Approximately $153,500.

Calif., San Francisco—Store and Apartment—M. A. Hunt, 1332 Lombard St., 6 story and basement, rein.-con. and timber, Hyde and Eddy Sts., to Helbing Co., 1332 Lombard St., approximately $165,000.

Calif., Santa Barbara — Storage and Warehouse—Montecito Van and Storage Co. will build 4 story, 50 x 140 ft., rein.-con. addition, East Mason St., by day labor.

Ont., Ottawa—Hospital—Lady Frey Hospital Comn., constructing Whitney Building, and power house at hospital, Carling Ave., to A. I. Garnock, Sparks St., $107,390, and $41,787 respectively.

Ont., St. Thomas—School—Bd. Educ., 3 story and basement, 20 room, concrete, brick and steel, masonry contract, to E. Birch, 302 Earlscourt Ave., Toronto; heating and ventilating, to W. S. Clifton, 313 Brock Ave., Toronto; plumbing, to J. A. McKenzie, 658 Talbot St., carpentry, to Green Lumber Co., Ltd., St. Thomas. Archts. total est. $200,000.

Ont., Toronto—Art Gallery—Art Gallery of Toronto, Grange Rd., general contract 2 story and basement, 80 x 150 ft., rein.-con., brick and steel addition, plain foundation, Dundas St. W., to W. H. Thomson, 29 Marlborough Ave. Archts. est. $250,000. Noted Dec. 4.

Ont., Toronto — School — University of Toronto, Queens Park, 3 story and basement, 60 x 90 ft., rein.-con., brick and steel, plain foundation, masonry contract, to Gratton Ltd., 486 Clinton St.; carpentry, to Hudson & Co., 6 Algonquin Ave., Archts. total est. $150,000.

Federal Government Work

PROPOSED WORK

N. H., Portsmouth—Capstans—Spec. 5024—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids electrically driven capstans at Navy Yard, here. L. E. Gregory, ch. Bureau.

Idaho—Road—Bureau of Pub. Rds., Ogden, Utah, plans surfacing more than 5 mi. Boise Mountain Home Rd., along old Oregon Trail. $105,000.

BIDS DESIRED

Vt., Burlington—Remodeling—Jan. 9, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling, etc., Post Office and Custom House, here; adv. E. N.-R. Dec. 18.

N. Y., Long Island City—Dec. 23, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sheet asphalt repaving Prospect, 92nd and 104th Sts., Ditmars, Jackson, 14th and 4th Aves., 8th Ave. from Flushing to Potter Aves., and 8th Ave. from Jackson to Washington Aves.

N. Y., New York—Dec. 22, by J. Miller, pres. Manhattan Boro., Municipal Bldg., sheet asphalt repaving Lexington and 5th Aves.

Pa., Phila.—Dredge and Scows—Jan. 5, by U. S. Engineer Office, 1307 Schaff Bldg., purchasing U. S. Dredge Corozal and three 840 cu.yd. steel bottom dump scows; adv. E. N.-R. Dec. 18.

Pa., Pittsburgh—Barges—Jan. 14, by U. S. Engineer Office, 3 steel deck barges; adv. E. N.-R. Dec. 18.

D. C., Wash.—Generator Equipment—Jan. 8, by A. L. Flint, genl. purch. officer, of the Panama Canal, Wash., D. C., furnishing Diesel engine driven generator equipment for stand-by generator stations; adv. E. N.-R. Dec. 18.

D. C., Wash.—Greenhouse—Dec. 30, by U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., constructing greenhouse at U. S. Hospital 32, at Mt. Alto.

D. C., Wash.—Pipe Line—Jan. 15, by U. S. Engineer Office, 250 Old Land Office Bldg., constructing first high pipe line; adv. E. N.-R. Dec. 18.

Va., Hampton Roads—Seaplane Runway—Jan. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., seaplane runway at air station, here.

Va., Norfolk—Repairs—Spec. 5026—Jan. 7, by Bureau Yards & Docks, Navy Dept., Wash D. C., repairs to floors at Naval base, here.

Ga., Augusta—Fire Alarm System—Jan. 6, by U. S. Veterans Bureau, Wash., D. C., fire alarm system in U. S. Veterans Hospital, here.

Ala., Florence—Cradles—Dec. 23, by P. T. Samuels, ch. supply div., 58 structural steel counterweight cradles with pins and bolts.

Miss., Holly Springs—Dec. 30, by Bd. Supervs. Marshall Co., at office of Chancery clerk, grading and graveling surfacing 8.374 mi. Federal Aid Project 57-A, 103,140 cu.yd. excav., 46,197 cu.yd. borrow, 51,779 lb. reinforcing, 19,650 cu.yd. gravel, 33,428 units overhaul, also bridge over 20 ft. span, 113,992 ft. creosoted and 5,840 ft. untreated timber, 4,528 ft. creosoted piling, etc.; also taking bids on gravel f.o.b. all points from here to Potts Camp. H. C. Dietzer, Jackson, engr.

Wyo., Sheridan—Plant—Dec. 30, by U. S. Veterans Bureau, Wash., D. C., ice making plant at U. S. Veterans Hospital 86, here.

Mo., Whipple Barracks—Walks—Dec. 30, by U. S. Veterans Bureau, Wash., D. C., concrete walks at U. S. Veterans Hospital 50, here.

Idaho, American Falls—Dam—Jan. 22, by Dept. Interior, at office Bureau Reclamation, constructing dam, here; adv. E. N.-R. Dec. 18. Noted Nov. 6.

Wash., Puget Sound—Repairs, etc.—Spec. 5016—Feb. 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs and fitting out piers, here.

Wash., American Lake — Refrigerating Plant—Dec. 30, by U. S. Veterans Bureau, Wash., D. C., refrigerating plant at U. S. Hospital 94, here.

BIDS RECEIVED

Fla., Orlando—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing new balcony addition to post office from G. E. Wright, Chicago, Ill., $2,345. Noted Dec. 4.

Ia., Council Bluffs—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., extending post office, here, from C. M. Pennell & Sons, Council Bluffs, $10,118.

Wis., Milwaukee—Breakwater—U. S. Engineer Office, constructing 1,640 lin.ft. concrete and stone extension to breakwater, from S. M. Siesel Co., 160 Ogden Ave., $317,860. Noted Nov. 6.

Mo., Laurel — Dormitory, etc. — Dist. Comrs., Dist. Bldg., Wash., D. C., mess hall and dormitory in home for Feeble Minded, here, from W. L. Morrison Constr. Co., Wash., D. C., $25,400. Noted Nov. 27

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer Office, dredging in Providence Harbor to J. S. Packard Dredging Co., 1004 Turks Head Bldg. $61,628. Noted Nov. 6.

Pa., Phila.—Coal Bunker—Spec. 5050—Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to coal bunker to G. F. Dobbins 1020 South 47th St., Phila. $5,795. Noted Dec. 4.

Del., Wilmington—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., dredging Sects. C and D Chesapeake and Delaware Canal, to W. H. Gahagan Inc., 147 Remsen St., Brooklyn, $276,877.

D. C., Wash. — Cement Approaches — Quartermaster Corps. War Dept., constructing cement approaches at Army Medical School, to Carson & Gruman Co., Inc., Wash., D. C., $9,238.

Ga., Douglas—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., post office here to Deams & Groggin, Williamstown, Mass., $42,066. Noted Dec. 11.

Ala., Florence—P. T. Samuels, ch. supply division, furnishing 30,000 ft. lumber for Wilson Dam construction, to C. S. Hull Lumber Co., Laurel, Miss., $6,280.

Ala., Florence—Cement—P. T. Samuels, ch. supply div., furnishing 30,000 bbl. Portland cement, to Lehigh Portland Cement Co., Woodward Bldg., Birmingham, $66,907; 20,000 bbl., to Atlas Portland Cement Co., Brown Marx Bldg., Birmingham, $45,000.

Mich., Kalamazoo—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., extending and repairing post office, to Builders Constr. Co., Flint, $14,709. Noted Nov. 13.

Ill., Great Lakes — Sewerage System — Spec. 5014—U. S. Engineer Office, Wash., D. C., sewerage system improvements, here, to Schillinger Constr. Co., 2319 North Seeley Ave., Chicago, $13,381 (180 days). Noted Dec. 11.

Mo., Centaur—U. S. Engineer Office, War Dept., Wash., D. C., retard installation in Missouri River, near here, to Woods Bros. Constr. Co., Lincoln, Neb., $6,850.

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, to J. E. Perkinson, 3237 Carter Ave., improving Brannon St. $8,243, Goethe St. $12,354; to Central Paving & Constr. Co., 6161 Maple St., Utah St. $28,944, Spring Ave. $8,250. Noted Nov. 20.

California—Road—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 9 Main St., San Francisco, improving 12.6 mi. Sonora-Long Barn Natl. Forest Highway, Tuolumne Co., to Collins & Seppi, P. O. Box 4, Stockton, $83,496. Noted Nov. 20.

Unclassified

PROPOSED WORK

Bulkhead, etc.—Edgartown, Mass.—A. Prada, Edgartown, making plans bulkhead, fill solid and dredging in Edgartown Harbor. $25,000. W. F. Williams, Dept. Pub. Wks., Boston; comr.

Arena—New Haven, Conn.—Yale Athletic Assn., H. F. Woodcock, genl. mgr., plans arena. $150,000.

Pier, etc.—Baltimore, Md.—Mayor and City Council, City Hall, making plans 4 story pier and warehouse, brick and concrete, plain foundation, McComas St. $5,000,000. S. Purcell, City Hall, ch. engr. Western Maryland Ry., Standard Oil Bldg., lessee.

Subway—Newark, O.—City plans subway under railroad crossing at 1st, 2nd, 3rd, 4th, 5th and 6th Sts. $250,000. R. H. Stimpson, Columbus, consult. engr.

Grain Elevator—Houston, Tex.—Harris Co Houston Navigation Dist., c/o H. L. Washburn, co. aud., Court House, rejected bids concrete grain elevator. Will revise plans. Noted Nov. 13.

Grain Elevator—Wichita Falls, Tex.—T. P. Duncan, mgr. Wichita Mill & Elevator Co., soon takes bids concrete addition to grain elevator, plain foundation. $115,000. Engineer not announced.

Gas, Water and Electric Systems—Longview, Wash.—See "Buildings—Industrial."

Street Lighting System — Healdsburg, Calif.—Making plans street lighting system in business district. $25,000.

Lighting System and Conduit—Pasadena, Calif.—See "Streets and Roads."

Wharf—Richmond, Calif—Plans election $350,000 bonds constructing Municipal Wharf 2 on Inner Harbor. E. A. Hoffman, city engr.

Street Lighting—Santa Barbara, Calif.—Making plans street lighting system on State St. $26,500.

Subway—Kitchener, Ont.—Plans subway on King St. under railway tracks. $100,000. S. Shupe, city engr.

Race Track, etc.—Long Branch, Ont.—Long Branch Racing Assn., plans race track, 1 mi. course, track buildings, grand stand, etc. $250,000. A. J. Rattray, 370 Durie St., Toronto, archt.

Subway—Oshawa, Ont.—City of Oshawa, Dominion Government, Ottawa, and Canadian Natl. Rys., Union Sta., Toronto, had plans prepared 66 ft. subway on Simcoe St. S. 30 ft. near Canadian Natl. Ry. Sta. $114,000. W. C. Smith, Municipal Office, city engr. A. F. Stewart, ch. engr. railroad.

Unclassified (Continued)

Pumping Unit—Saulte Ste. Marie, Ont.—Plans to purchase and install gasoline driven pumping unit, 1,000 gal. per minute, 3 stage centrifugal and 150 hp. gasoline engine. L. R. Brown, city engr.

Gas Mains—Toronto, Ont.—Consumers Gas Co., Adelaide St. E., plans during 1925 installing 25 mi. gas mains. $600,000. Work will mostly be done by day labor.

Transformers, etc.—Toronto, Ont.—York Twp., 40 Jarvis St., plans to take over electric light and power system within township, and install additional transformers $9,586, and main feeder circuit $34,167. F. T. Stocking, c/o Hydro-Electric Power Comn., 190 University Ave., engr.

BIDS DESIRED

Fire Sprinklers—Ogdensburg, N. Y.—Jan. 7, by State Hospital Comn., Albany, automatic fire sprinklers for St. Lawrence State Hospital, here; adv. E. N.-R. Dec. 18.

Sanitary Work, etc.—Poughkeepsie, N. Y.—Jan. 7, by State Hospital Comn., Capitol, Albany, sanitary work, electric, and additions to water supply, etc., at Hudson River State Hospital, here; adv. E. N.-R. Dec. 18.

Bulkhead, etc.—St. Petersburg, Fla.—Jan. 26, by S. S. Martin, dir. Finance, concrete bulkhead and warehouse, at Port St. Petersburg; adv. E. N.-R. Dec. 18.

Foundation—Chicago, Ill.—Mundie & Jensen, archts. & engrs., 39 South La Salle St., taking bids caisson foundation for 24 story and basement, 100 x 149 ft., rein.-con., brick, steel and stone club, 63 West Jackson Blvd., for Union League Club, 14 East Monroe St. Total $1,500,000.

Distribution Plant — Compton, Calif. — Union Rock Co., 1403 East 16th St., taking bids 6,000 ton, rein.-con. distribution plant. To exceed $25,000. Private plans.

Power Line, etc.—Porterville, Calif.—Jan. 7, by H. C. Pegram, secy. Vandalia Irrigation Dist., 3.25 mi. 2,200 volts electric power line; 125, 75 and 40 hp. horizontal 2,200 volt, 3 phase, 60 cycle, 1,800 r.p.m. motors, one 800 g.p.m. 140 ft. head, one 3,300 g.p.m. and one 2,100 g.p.m., both 115 ft. head, pumps; also five 900 g.p.m. deep well turbine pumps, 110 ft. head, 50 ft. column equipped and installed with 2,200 volt, 3 phase, 60 cycle, 1,200 r.p.m. motor. I. H. Althouse, dist. engr.

Foundation—Prince Rupert, B. C.—Jan. 2, by Minister Dept. Pub. Wks., Ottawa, Ont., foundations for elevator, here, for Dominion Government, Ottawa, Ont. $100,000. C. D. Howe & Co., Whalen Bldg., Port Arthur, Ont., engrs.

BIDS RECEIVED

Special Work — Flushing, N. Y. — Bd. Transportation, 49 Lafayette St., New York City, special work, rails, frogs and switches for use in construction portion subway extension, here, from Ramapo Ajax Corp., 30 Church, **AA** $38,946; from Lorain Steel Co., 71 Bway., **BB** $25,372. Noted Dec. 4.

Playground—New York, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, Dec. 15, improving playground opposite P. S. 52, from I. F. Cavaluzzo, 1538 Walton Ave., $27,000.

Culvert, etc.—Cleveland, O.—For 300 ft. 10 x 25 ft. concrete culvert and 200 ft. 18 in. retaining wall, 2,800 cu.yd. excav., in Doan Brook in Wade Park, from Forschner Co., East 10th St. and St. Clair Ave., $34,200.

Lake—Dallas, Tex.—Clearing certain sections land for new Lake, from Smythe & Hodges, c/o City Hall, $92,500. Engrs. est. $100,000.

CONTRACTS AWARDED

Park—Lowell, Mass.—Park Comrs., will improve Shedd Park by day labor under supervision of R. W. Beal, 62 Summer St., Boston, landscape archt. $100,000.

Column Foundations — Corona (Sta. Flushing) N. Y.—Bd. Transportation 49 Lafayette St., New York City, column foundations, retaining walls, etc., for Corona Yard, Route 52, here, to Lustbader Constr. Co., 423 Madison Ave. $238,034. Noted Dec. 4.

Alterations — New York, N. Y. — Bd. Transportation, 49 Lafayette St., alterations to railroad structure on Route 43 and 26, Manhattan Boro., to D. Levy, 305 5th Ave. $4,033. Noted Dec. 11.

Foundation—St. Charles, Ill.—See "Buildings—Commercial under Proposed Work."

Power Development — Mitchell, Ia. — Northwestern Iowa Power Co., West Union, dam and rein.-con. power house, 260 ft. long, 18 ft. high, two 500 kva. units installed, here, to A. R. Coffeen, Decorah; excavation sublet to S. J. Groves Co., 306 Globe Bldg., Minneapolis, Minn. Engrs. est. $250,000.

Plumbing and Heating—Newton, Kan.—See "Buildings—Commercial."

Wharf—Houston, Tex.—Humble Oil & Refining Co., Humble Oil & Refining Co. Bldg., 46 x 400 ft. wharf, concrete deck, to Raymond Concrete Pile Co., West Bldg.

Grain Elevator—Tulia, Tex.—Farmers Grain Co. will rebuild grain elevator recently destroyed by fire, by day labor. $52,000. Private plans.

Transmission Line—Oklahoma—Fairfax Electric Light & Power Co., Fairfax, will build 6 mi. transmission line from Fairfax to Ralston, crossing Arkansas River, by day labor. $25,000. C. A. Huffaker, Fairfax, engr.

Transmission Line — Calif. — Thrall-California-Oregon Power Co., Medford, Ore., 1,300 ft. 16 ft. (inside diam.) continuous stave creosoted fir pipe as power line connecting two rock tunnels, near here, to Continental Pipe Mfg. Co., 4515 14th Ave. N. W., Seattle, Wash.

Fire Alarm System—Stockton, Calif.—A. L. Banks, city clk., police and fire alarm systems throughout city, to Gamewell Co., 939 Larkin St., San Francisco, $133,492. Noted Nov. 20.

Street Lighting System—Whittier, Calif. —Street lighting system on Greenleaf Ave., to Walker & Martin, 402 West Wilshire St., Fullerton, $57,150. Noted Nov. 13.

Radio Station—Yamachiche, Que.—Marconi Wireless Telegraph Co., 111 St. Sacrament St., Montreal, concrete and steel radio receiving station, here, to Newton Dakin Constr. Co., 10 Cathcart St., Montreal. Archts. est. $25,000.

Material and Equipment

PROPOSED WORK

Sand—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids Dec. 3, 15,000 cu. yd. sand. Will readvertise. Noted Dec. 11.

Steel Shapes, etc.—Cleveland, O.—The Austin Co., 16112 Euclid Ave., plans to purchase during 1925 10,000 tons steel shapes, plates and bars, 30,000 tons fabricated structural steel for buildings, 22,000,000 ft. lumber consisting of timbers from 16 in. down to dimensions of 2 and 1 in. sheathing and miscellaneous lumber, 20,000,000 brick, 200,000 bbl. Portland cement, 60,000 yd. sand, 100,000 yd. aggregate (stone, slag and gravel), 12,000 sq.ft. steel rolling doors, 2,500,000 sq.ft. built up composition roof waterproofing, 1,400,000 sq.ft. steel sash, 1,600,000 sq.ft. glass, 350,000 sq.ft. maple flooring, 78,000 sq.ft. wood doors, 28,000 gal. paint, 50,000 sq.ft. wood block flooring, 1,500 tons metal roofing and siding, 700 tons putty, 7,000 tons reinforcing, 43,000 lin.ft. mechanical sash operating devices, 200,000 sq.ft. cement tile roofing, 100,000 sq.ft. gypsum roofing, approximately $7,000,000; also large amount of new equipment will be purchased by offices which maintain construction equipment departments. P. J. Brennan, genl. purch. agt.

Road Machinery—Wisconsin—Adams Co. appropriated $4,000 for road machinery incl. patrol graders and small tools during 1925, J. A. McGregor, comr.; Buffalo Co. $4,000 patrol graders and small tools, J. Reinhardt, comr.; Douglas Co. $15,000 patrol graders, etc., C. Hanson, comr.; Florence Co. $8,300, trucks, etc., O. F. Soderberg, comr.; Brown Co. $3,000, purchase, rental and repair road machinery, D. C. Williams, comr.; Jackson Co. $5,000, 6 patrol graders, etc., O. H. Overlein, comr.; Kewanee Co. $10,000, purchase, rental and repair road machinery, H. Griesse, comr.; Langdale Co. $14,000, road machinery and snow removal equipment, etc., C. Olson, comr.; Lincoln Co. $3,000, 6 patrol graders, two 10 ton snow plows, etc., H. H. Kuehling, comr.; Marinette Co. $10,000, patrol graders, etc., A. Eklund, comr.; Kenosha Co. $15,000, truck and small tools, etc., J. Herzog, comr.; Milwaukee Co. $28,000, purchase, rental and repair machinery and equipment, W. F. Cavanaugh, comr.; Oconto Co. $23,000, tractor, etc., E. W. McAllister, comr.; Pierce Co. $2,000, graders, etc., C. F. Kenell, comr.; Pepin Co. $3,000, purchase road machinery, A. Weishapple, comr.; Richland Co. $20,395, graders, etc., W. V. Robinson, comr.; Shawano Co. $16,000, purchase road machinery and 12 road graders, etc., W. F. Meyer, comr.; Trempealeau Co. $2,500, purchase, rental and repair machinery and equipment, E. F. Rotering, comr.; Vernon Co. $4,250, purchase road machinery, incl. crusher, sand blast and paint spray machine, etc., A. Ristlow, comr.; Waushara Co. $10,000, purchase road machinery, incl. road graders, etc., F. Grimm, comr.; Wood Co. $7,000 purchase, rental and repair road machinery, E. Morris, comr.; Winnebago Co. $8,500, purchase tractor and trucks, F. Steiner, comr.

Road Machinery—Wisconsin—Monroe Co. appropriated $10,000 to purchase road machinery during 1925, incl. 2 tractors and one 12 ft. grader, C. Millard, Sparta, comr.; Portage Co. $3,000, two gyratory crushers and small tools, T. E. Cauley, Stevens Point, comr.; Sawyer Co. $7,000, rock crusher, tractors, etc., E. J. Collett, comr.; Washburn Co. $6,000, crushing and screening plant, etc., J. R. Allen, Spooner, comr.; Waupaca Co. $25,000, 5 trucks, etc., J. Huffcut, comr.; Jackson Co. $5,000 to purchase road machinery, O. H. Overlien, comr.

Snow Plows—Hurley, Wis.—Iron Co. plans to purchase 2 snow plows. W. Weber, comr.

Electric Shovel—Sioux City, Ia.—Sioux City Brick & Tile Co., 9 West 3rd St., plans to purchase electric shovel with ¾ yd. dipper, shipper shaft boom, on caterpillar, and must be in good condition.

Electrical Improvements — Wetumka, Okla.—V. V. Long & Co., engrs., 1300 Colcord Bldg., Oklahoma City, takes bids after Dec. 30, electrical improvements, incl. dynamos, generators, engines, etc., here, for City. $60,000.

Cement, Asphalt, etc.—Hamilton, Ont.—Plans to purchase cement, asphalt, crushed stone, sewer pipe, castings, water mains, road oil, etc. $300,000. W. C. McFaul, city engr.

Cement, Crushed Stone, etc.—Windsor, Ont. — Plans to purchase cement crushed stone, sewer pipe, etc. $250,000. M. E. Brian, city engr.

BIDS DESIRED

Asphaltic Cement, etc.—New York, N. Y.—Dec. 22, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 600,000 gal. asphaltic cement, 20,000 cu.yd. asphalt sand, 20,000 bags Portland cement, and 30,000 gal. gasoline.

Gravel — Holly Springs, Miss. — See "Streets and Roads."

Gravel—Rolling Fork, Miss.—See "Streets and Roads."

Gravel—Baton Rouge, La.—State Hy. Dept., Reymond Bldg., taking bids gravel for surfacing 30 mi. roads in Morehouse, Vernon and Winn Parishes. W. B. Roberts, state engr.

Pumps—Galesburg, Ill.—Rowe Mfg. Co. in market for two 18- to 24-in. horizontal pumps, 24 ft. lift, for pumping water out of river.

Road Machinery—Lancaster, Wis.—Dec. 29, by H. Mink, comr. Grant Co., 10 patrol graders, 6 double strength No. 2 wheel scrapers, 18 wheel scraper bits, 12 ft. grader frame with 10 ft. blade, 3 road plows, 3 rollers, one hundred twenty-five 6 ft. grader blades, also 150,000 to 200,000 gal. road oil with 40% to 50% asphaltic content. Noted Dec. 4.

Cable and Weatherproof Wire — Milwaukee, Wis. — Dec. 22, by Central Bd. Purchases, 57,000 ft. cable, and 10,000 lbs. weatherproof wire.

Truck—Minneapolis, Minn.—Dec. 30, by F. S. Gram, city purch. agt., one 3½-ton truck tractor. N. W. Elsberg, city engr.

Piling, etc.—Grand Forks, N. D.—Dec. 24, by C. J. Evanson, city aud., 24 pieces, 32 ft., 93 pieces, 51 ft., and 222 pieces 42 ft. piling, all 8 in. top and 14 in. butt, 160,000 sheet piling, 170,000 dimension timbers, 5,500 cu.yd. rock and 2,400 cu.yd. excav. for dam in Red River of the North.

Cement — Missouri — Dec. 19, by F. V. Reagel, engr. State Hy. Dept., Jefferson, 1,403,000 bbl. cement for road construction, etc., during 1925.

Steel Castings, etc.—St. Louis, Mo.—Jan. 2, by G. E. Scott, purch. agt. Missouri-Kansas-Texas R.R., 1520 Railway Exch. Bldg., 150 tons miscellaneous cast steel castings for locomotives and cars, also 87 tons locomotive and car bolster and side frames, delivered during first quarter of 1925 as needed.

Portable Crushing Plants, etc.—Austin, Tex.—Dec. 30, by State Bd. Control, 7 portable crushing plants, 15 portable asphalt mixing plants, 110 light maintainers with tractors, 210 light graders, plows, scrapers and hand tools, etc. $300,000.

Mud Shell—Houston, Tex.—Harris Co., H. L. Washburn, aud., Court House, in market for 25,000 cu.yd. mud shell, and 25,000 cu.yd. gravel. Howe & Wise, 1st Natl. Bk., engrs.

CONTRACTS AWARDED

Sand and Pebbles — Phila., Pa. — See "Streets and Roads."

Asphaltic Cement—New Orleans, La.—A. Murphy, comr. Dept. Finance, City Hall, furnishing 25 cars asphaltic cement, f.o.b. cars Municipal Repair plant, to Standard Oil Co., Jackson and St. Charles Sts., $16 per ton. Noted Nov. 20.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R

OFFICIAL PROPOSALS

Bids: Jan. 7.

State Hospital Work

Poughkeepsie, N. Y.

Sealed proposals for Sanitary Work and Electric Work, Additions to Water Supply, Hudson River State Hospital, Poughkeepsie, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock, p.m., on Wednesday, Jan. 7th, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into contract if it be awarded to him. Deposit shall consist of a certified check drawn upon some legally incorporated bank in the State of New York and made payable to the State of New York, or money equal to the following: Sanitary, $2,000, and Electric, $1,000. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 4397 and 4423. The right is reserved to reject any or all bids. Drawings and Specifications may be examined at the Hudson River State Hospital, Poughkeepsie, N. Y., at the New York Office of the Department of Archecture, 18th floor, Fuller Building, Broadway and 23rd Street; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y.

Dated: December 8th, 1924.

Bids: Jan. 26.

Dredging

St. Petersburg, Fla.

Sealed proposals will be received by the Director of Finance of the City of St. Petersburg, Florida, until 7:30 p.m., January 26th, 1925, for the dredging of a turning basin and building break-water at Port St. Petersburg. Blank forms of proposals and specifications will be furnished prospective bidders. Plans are on file in the office of Director of Public Works where they may be examined. Certified check in th sum of 5% of bid price will be required with each bid. The right is reserved to reject any and all bids. Bids must be sealed and marked "Bid for Dredging at Port St. Petersburg."

S. S. MARTIN,
Director of Finance,
St. Petersburg, Florida.

Bids: Jan. 26

Bulkhead and Warehouse

St. Petersburg, Fla.

Sealed proposals will be received by the Director of Finance of the City of St. Petersburg, Florida, until 7.30 p.m., January 26, 1925, for the construction of a concrete bulkhead and warehouse at Port St. Petersburg. Blank forms of proposals and specifications will be furnished prospective bidders. Plans are on file in office of Director of Public Works, where they may be examined. Certified check for 5 per cent of bid price is required with each bid. The right is reserved to reject any and all bids. Bids must be sealed and marked "For the Construction of Concrete Bulkhead and Warehouse at Port of St. Petersburg."

S. S. MARTIN,
Director of Finance

OFFICIAL PROPOSALS

Bids: Jan. 7.

State Hospital Work

Ogdensburg, N. Y.

Sealed proposals for Automatic Fire Sprinklers, St. Lawrence State Hospital, Ogdensburg, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock p.m. on Wednesday, January 7, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into contract if it be awarded to him. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York, or money in the amount of Two Thousand Five Hundred Dollars, ($2,500.00). The Contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 4414. The right is reserved to reject any or all bids. Drawings and Specifications may be examined at the St. Lawrence State Hospital, Ogdensburg, N. Y.; at the New York office of the Department of Architecture, 18th Floor, Fuller Building, Broadway and 23rd St., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, Specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y.

Dated: December 8, 1924.

Bids: Dec. 26.

Force Main Construction

Madison, Wis.

Sealed bids will be received at the office of the City Clerk, Madison, Wisconsin, until 2.00 o'clock p.m., December 26, 1924, for the construction of 18,222 lineal feet of thirty inch cast iron force main. The City of Madison will furnish the pipe.

Bids must be accompanied by a surety bond. Plans and specifications may be obtained from the undersigned.

H. C. BUSER,
City Clerk.

December 12, 1924.

Bids: Jan. 7.

Proposed Construction of Sellwood Bridge

Portland, Ore.

Sealed proposals addressed to the Board of County Commissioners of Multnomah County, Oregon, for the construction of a bridge, and approaches thereto, across the Willamette River in the city of Portland, Oregon, to be known as the Sellwood Bridge, will be received by the Board of County Commissioners of Multnomah County, Oregon, until 10 o'clock a.m. on the 7th day of January, 1925, and not thereafter and at that time, at Room 405 Court House, Portland, Oregon, will be publicly opened and read. Said Proposals should be endorsed "Proposal for Construction of the Sellwood Bridge."

Plans, specifications, general provisions and form of proposal, bond and contract for the work are on file in the office of the County Clerk of Multnomah County, Oregon, Court House, Portland, Oregon, and may be there seen.

OFFICIAL PROPOSALS

Copies of plans and specifications may be obtained from Gustav Lindenthal, Consulting Engineer, 250½ Third Street, Portland, Oregon, upon written application therefor, and the deposit of $50.00, $30.00 of which will be refunded upon return of the plans.

All proposals must be made upon blank forms attached to the specifications. Each bid is to be presented under sealed cover, endorsed as above provided, and filed with the County Clerk of Multnomah County, Oregon, and shall be accomplished by a certified check made payable to the Board of County Commissioners of Multnomah County, for an amount equal to ten (10) per cent of the amount of the bid, and no bid shall be considered unless such check is enclosed therewith. Such certified check shall be delivered upon the condition that if said bid be accepted, the party bidding will promptly and properly enter into and execute a contract and bond in accordance with the award. Should the successful bidder to whom the contract is awarded fail to execute the same within ten days, not including Sunday, from the date of notification of such award, such check shall be forfeited to Multnomah County as liquidated damages, and the same shall be the property of the County. All other certified checks will be returned to the unsuccessful bidders who submitted the same. The sealed covers containing bids should have the name and address of the bidder on the outside.

A good and sufficient surety company bond will be required for the faithful performance of the construction contract in a sum equal to the full amount of the contract price. Such bond shall be approved as to form by the District Attorney, and as to its sufficiency by the Board of County Commissioners.

All contracts for work to be done shall be in writing executed by the Contractor and the Board of County Commissioners in triplicate.

The contract will be let to the lowest responsible bidder, but the right is reserved to reject any and all proposals.

Board of County Commissioners of Multnomah County, Oregon.

Dated December 3, 1924.

By AMEDEE M. SMITH,
Chariman.

By ERWIN A. TAFT,
Commissioner.

By GRANT PHEGLEY,
Commissioner.

Approved as to form:
STANLEY MYERS,
District Attorney.

Approved: GUSTAV LINDENTHAL,
Engineer.

By HANS H. RODE,
Resident Engineer.

(Seal of Board of County Commissioners, Multnomah County, Oregon.)

Attest: JOS. W. BEVERIDGE,
County Clerk.

Bids: Dec. 29.

Drainage Work

La Junta, Colo.

Sealed bids will be received by the Holbrook Drainage District, La Junta, Colorado, until 10 a.m., December 29th, 1924, for the construction work on the Holbrook Drainage System which includes the excavation of approximately 750,000 cubic yards of earth together with 45 small bridges, and other miscellaneous structures.

Plans and specifications for a deposit of $5.00 from the Weiland Engineering Company, 725 Thatcher Building, Pueblo, Colorado.

By order of the Board of Directors.

A. J. LUGENBILL,
President.